OPERATORS AND PARTS MANUAL NO. 07-2-V-FORCE

MEYER

V- FORCE
TWIN EXPELLER SUPER SPREADER

MODEL: 7400
7500

US PATENT NO.
5,368,236
5,501,404

DO NOT OPERATE EQUIPMENT UNTIL THIS MANUAL HAS BEEN READ AND UNDERSTOOD.

MEMBER
FEMA

Over 60 years of service to our customers

Manufactured by

Meyer Mfg. Corp.

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MANUFACTURED IN DORCHESTER WI BY MEYER®

01/07

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TABLE OF CONTENTS

TABLE OF CONTENTS 3
MANUFACTURER'S WARRANTY 4
INTRODUCTION 5
SAFETY PRECAUTIONS 6
STUDY THE ABOVE SAFETY RULES 6
SAFETY FIRST 7
PRE-OPERATION 9
TRANSPORTING 10
TRUCK MOUNT SPREADERS 11
FREEZING WEATHER OPERATION 11
OPERATION 13
LOADING 13
UNLOADING 13
SHEAR SPROCKET INSTRUCTIONS 14
STORAGE AFTER USE 15
PTO DRIVE LINE 16
DRIVE LINE ATTACHMENT 16
LUBRICATION 17
ADJUSTMENTS 18
SPINNER MATERIAL GUIDES 18
SHEAR ARM MATERIAL GUIDE ADJUSTMENT 18
FRONT DRIVE ROLLER CHAINS 19
LUBRICATION 21
LUBRICATION & ADJUSTMENT FOR 3RD AUGER 23
INSTRUCTIONS FOR AUTOMATIC CHAIN OILER 24
OIL-KIT 26
REPAIR PARTS 26
FRONT SHIELD & SIDE SHAFT DRIVE 28
AUGER DRIVE, PRIMARY REDUCTION 29
AUGER DRIVE, SECONDARY REDUCTION 30
RH AUGER DRIVE, FINAL REDUCTION 31
LH AUGER DRIVE, FINAL REDUCTION 32
BOX, AUGERS & SIDE SHAFT 34
UNLOADING GATE & TRIP PAN DOORS 36
SPINNERS & GEARBOX SHAFT DRIVE 38
SPINNER GEAR REDUCERS 40
HUBS, AXLE & TANDEM AXLE ASSEMBLY 41
THIRD AUGER 42
918-0312 PTO DRIVE SHAFT ASSEMBLY 44
1000 RPM KIT 46
918-0209 PTO DRIVE SHAFT ASSEMBLY 47
918-0211 PTO DRIVE SHAFT 47
918-0309 PTO DRIVE SHAFT ASSEMBLY 49
918-0311 PTO DRIVE SHAFT ASSEMBLY 49
V-MAX HIGHWAY LIGHTING 51
"TROUBLE SHOOTING" 52
"MAINTENANCE RECORD" 54
MEYER EQUIPMENT WHEEL TORQUE 55
TIRE INFLATION 55
"SPECIFICATIONS" 56
OPTIONS 57

Jan. 1, 1996

NEW MEYER SUPER SPREADER
MANUFACTURER'S WARRANTY

I. The "Product Registration & Inspection Certificate" along with the original billing invoice "Owners Registration Form" must be completed in full and promptly returned to Meyer Mfg. Corp. for this warranty to become both valid and effective. All warranties on New Meyer Super Spreaders shall apply only to the original retail customer from an authorized Meyer Mfg. Corp. dealership.

II. This warranty shall not apply to any Meyer Super Spreader which has been subjected to misuse, negligence, alteration, accident, incorrect operating procedures, or which shall have been repaired with parts other than those obtained through Meyer Mfg. Corp.

III. Meyer Mfg. Corp. warrants New Meyer Super Spreaders to be free from defects in material and workmanship under recommended use and maintenance service, as stated in the "Operator's and Parts Manual," as follows:

A. Meyer Mfg. Corp. will repair or replace F.O.B. Dorchester, WI, as Meyer Mfg. Corp. elects, any part of a new Meyer Super Spreader which is defective in material or workmanship:

1. Without charge for either parts or labor during the first (1) year from purchase date to the original retail customer.

B. In addition to the above basic warranty, Meyer Mfg. Corp. will repair or replace F.O. B. Dorchester, WI as Meyer Mfg. Corp. elects:

Ten (10) Years: After a period of (1) year, the spreader tank body is warranted against rust-through for an additional period of (9) years. (Pro-Rated Parts Only). Parts included, front and rear end panels, side panels, and auger trough.

IV. COMMERCIAL USE: Coverage as in paragraph III A1 ONLY, except warranty coverage is for (90) days for parts and labor to the original commercial retail customer.

V. Repairs eligible for labor warranty must be made by Meyer Mfg. Corp. or an authorized Meyer dealership. The original retail customer is responsible for the transportation of the super spreader to the dealership for warranty service or for any service call expenses.

VI. Except as stated above, Meyer Mfg. Corp. shall not be liable for injuries or damages of any kind or nature, direct, consequential, or contingent, to persons or property. This warranty does not extend to loss of crop or for any other reasons.

VII. No person is authorized to give any other warranties or to assume any other obligation on Meyer Mfg. Corp.'s. behalf unless made or assumed in writing by Meyer Mfg. Corp. This warranty is the sole and exclusive warranty which is applicable in connection with the manufacture and sale of this product and Meyer Mfg. Corp.'s responsibility is limited accordingly.

VIII. This warranty is effective on all sales of Meyer Super Spreaders made after January 1, 1992.

INTRODUCTION

Congratulations on your purchase of a new Meyer farm equipment product. Undoubtedly you have given much consideration to your purchase and we're proud that you have selected Meyer. Pride in craftsmanship, engineering and customer service have made Meyer products the finest in the farm equipment industry today.

There is no substitute for quality. That is why thousands of people like you have purchased Meyer farm equipment. They felt it was the best equipment to serve their farming needs, now and in years to come. We ask that you follow our policy of "safety first," and we strongly suggest that you read through the owner's manual before operating your Meyer farm equipment.

Meyer Manufacturing Corporation wants to thank you for not compromising quality. We are determined to offer excellence in customer service as well as provide you with the very best value for your dollar.

REMEMBER:

FARM EQUIPMENT BUYERS
TRUST THE NAME MEYER!

Sincerely,

All Employees of
MEYER MANUFACTURING CORPORATION

Meyer Mfg. Corp. reserves the right to make improvements in design, or changes in specifications at any time, without incurring any obligation to owners of units previously sold.

This supersedes all previous published instructions.

IMPORTANT:
At the front of this manual is a Product Registration and Inspection Certificate. Be sure your dealer has completed this certificate and promptly forwarded a copy to Meyer Mfg. to validate the manufacturer's warranty. The product model and serial number are recorded on this certificate and below for proper identification of your Meyer Super Spreader by your dealer and the manufacturer when ordering repair parts. The serial number plate is found on the upper left front corner of the spreader or stamped in the left front frame channel.

Model No. _____

Serial No. _____

Date of Purchase _____

At the back of this manual is the repair parts section. All replacement parts are to be obtained from or ordered through your Meyer dealership. When ordering repair parts, refer to the parts section and give complete information including quantity, correct part number, detailed description and even Model No. and Serial No. of the Meyer Super Spreader which needs repair parts.

NOTE: All references to right hand (RH), left hand (LH), front and rear apply to the product as viewed from the rear of the spreader.

SAFETY PRECAUTIONS

This symbol is used to call attention to instructions concerning personal safety. Be sure to observe and follow these instructions. Take time to be careful!

WARNING: BEFORE ATTEMPTING TO OPERATE THIS SPREADER, READ AND STUDY THE FOLLOWING SAFETY INFORMATION. IN ADDITION, MAKE SURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THE SPREADER, WHETHER FAMILY MEMBER OR EMPLOYEE, IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

Require anyone who will operate this spreader to read and completely understand this Owner's Manual. Give necessary instructions!

DO NOT operate, service, inspect or otherwise handle this spreader until all operators have read this Owner's Manual and have been properly trained in the intended usage of the spreader.

Do not allow minors (children) or inexperienced persons to operate this spreader.

If the spreader becomes clogged, shut off the tractor engine and allow all mechanisms to stop. Disconnect PTO shaft and hydraulic hoses (relieve hydraulic pressure). Then, clean or work on the spreader as required.

Always shut off power and disconnect PTO drive shaft and unhook hydraulic hoses (relieve hydraulic pressure) from tractor to prevent accidental startup or unexpected movement before working on machine.

Do not clean, adjust, or lubricate while spreader is in motion.

Make sure all hydraulic fittings are tight and that all hoses are in good condition. Hydraulic fluid escaping under pressure can have sufficient force to penetrate skin and cause serious injury. Never investigate for hydraulic leaks by using a part of the body to feel for escaping fluid.

Inspect when first delivered and regularly thereafter; that all connections and bolts are tight and secure before operating.

Know how to stop the spreader before starting it!

Do not operate until all shields, covers, and guards are in place.

Make certain everyone is clear of the spreader before applying power.

Keep hands, feet and clothing away from moving parts. Loose or floppy clothing should not be worn by the operator.

Stay well clear of the spreader's rear discharge spinners while operating.

Do not step up on any part of the spreader at any time. Do not use PTO guard as a step.

Do not step over the power take-off shaft. Stay clear of the PTO at all times.

Keep PTO shaft telescoping tube shields turning freely. Keep PTO master shield on tractor. Replace shields missing or damaged.

Never operate PTO above normal 540 RPM rating. Never connect spreader PTO shaft to a 1000 RPM tractor PTO, unless the spreader is equipped with a 1000 RPM optional kit.

Use only properly rated tires.

Do not tow at speeds in excess of 20 MPH when transporting this spreader. Never exceed a safe travel speed.

Observe all applicable traffic laws when transporting on public roadways (where legal to do so). Check local laws for all highway lighting and marking requirements.

Always install a SMV emblem on this spreader for transporting on roadways and keep the emblem clean and bright.

When towing the spreader on public roads a safety chain of sufficient strength to support, along the line of travel, the gross weight of the spreader must be used (See Maximum Load Weight Chart in the Transporting Section). The safety chain should be attached per diagram in the Transporting Section.

MEYER MFG. CORP. PROVIDES GUARDS FOR EXPOSED MOVING PARTS FOR THE OPERATOR'S PROTECTION; HOWEVER, SOME AREAS CANNOT BE GUARDED OR SHIELDED IN ORDER TO ASSURE PROPER OPERATION. THE OPERATOR'S MANUAL AND DECALS ON THE MACHINE ITSELF WARN YOU OF DANGERS AND MUST BE READ AND OBSERVED CLOSELY.

STUDY THE ABOVE SAFETY RULES

FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

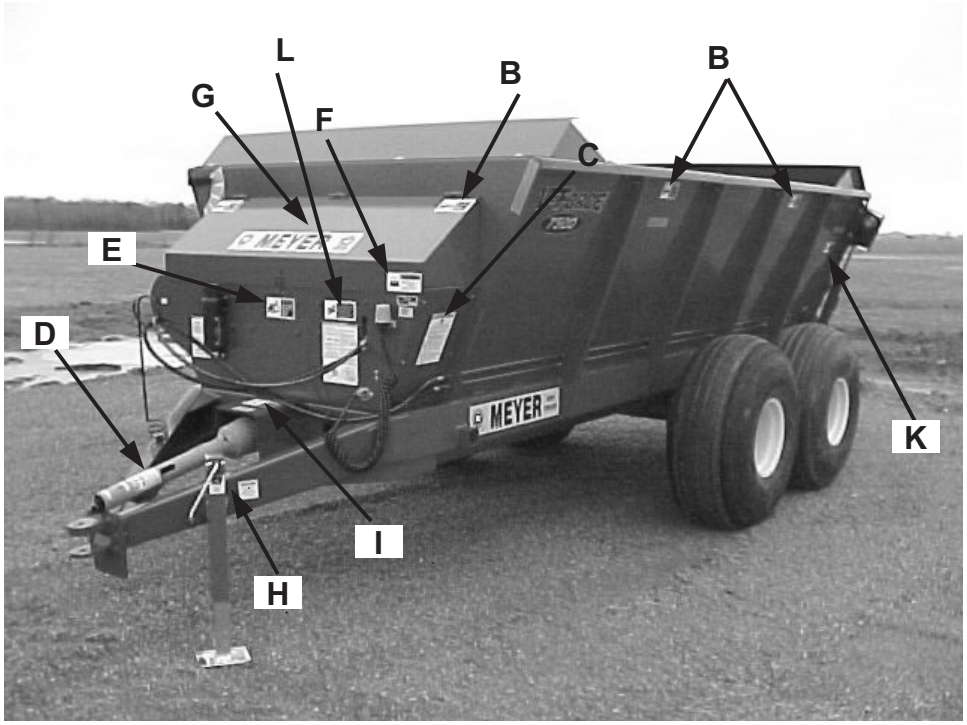
SAFETY FIRST

A brief definition of signal words that are used in this manual is as follows:

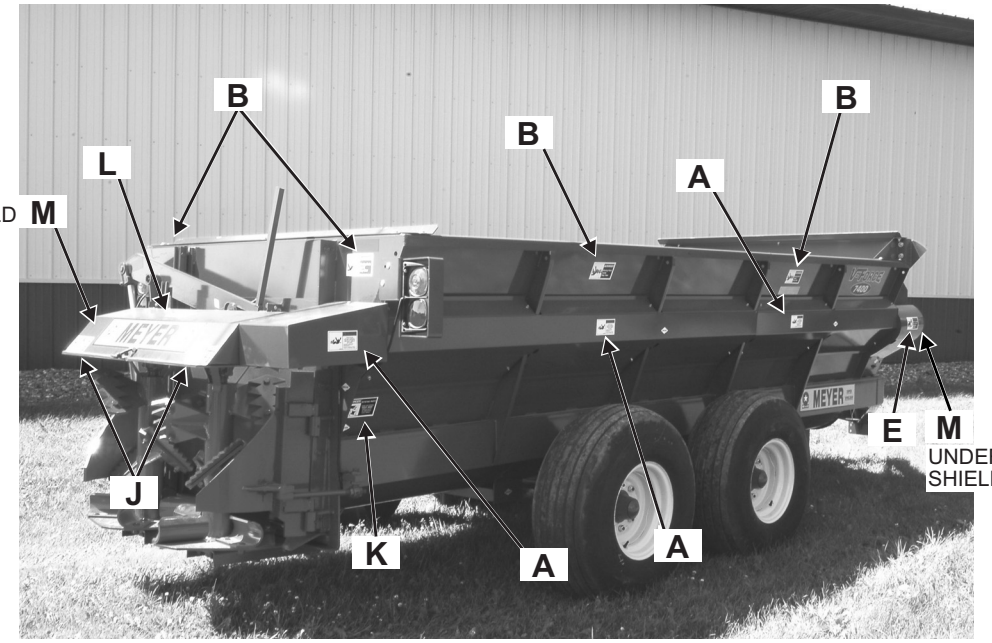
DANGER indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

WARNING indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury, and includes hazards that are exposed when guards are removed..

CAUTION indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It is also used to alert against unsafe practices.



SEE DECALS ON PAGE 8.

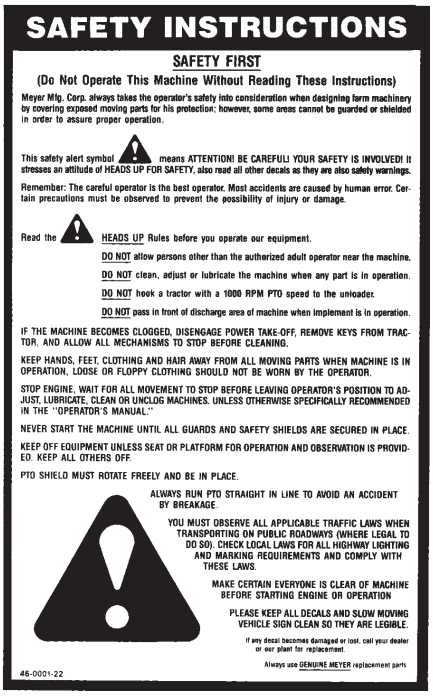


CAUTION: READ ALL DECALS ON THE SPREADER AND IN THIS MANUAL. KEEP THESE DECALS CLEAN AND REPLACE ANY LOST OR DESTROYED DECALS. BECOME FAMILIAR WITH ALL TRACTOR AND SPREADER CONTROLS.

SAFETY FIRST

The Meyer Super Spreader is manufactured with operator safety in mind. Located on the manure spreader are various decals to aid in operation and warn of danger or caution areas. Pay close attention to all decals on the spreader.

DO NOT REMOVE ANY DECALS. IF DECALS ARE LOST, DAMAGED OR IF MANURE SPREADER IS REPAINTED, REPLACE DECALS. REMEMBER: DECALS ARE FOR YOUR PROTECTION AND INFORMATION.


SAFETY INSTRUCTIONS
SAFETY FIRST
(Do Not Operate This Machine Without Reading These Instructions)
Meyer Mfg. Corp. always takes the operator's safety into consideration when designing farm machinery by covering exposed moving parts for his protection; however, some areas cannot be guarded or shielded in order to assure proper operation.
This safety alert symbol means ATTENTION! BE CAREFUL! YOUR SAFETY IS INVOLVED! It stresses an attitude of HEADS UP FOR SAFETY, also read all other decals as they are also safety warnings.
Remember: The careful operator is the best operator. Most accidents are caused by human error. Certain precautions must be observed to prevent the possibility of injury or damage.
Read the HEADS UP Rules before you operate our equipment.
DO NOT allow persons other than the authorized adult operator near the machine.
DO NOT clean, adjust or lubricate the machine when any part is in operation.
DO NOT hook a tractor with a 1000 RPM PTO speed to the unloader.
DO NOT pass in front of discharge area of machine when implement is in operation.
IF THE MACHINE BECOMES CLOGGED, DISENGAGE POWER TAKE-OFF, REMOVE KEYS FROM TRACTOR, AND ALLOW ALL MECHANISMS TO STOP BEFORE CLEANING.
KEEP HANDS, FEET, CLOTHING AND HAIR AWAY FROM ALL MOVING PARTS WHEN MACHINE IS IN OPERATION. LOOSE OR FLOPPY CLOTHING SHOULD NOT BE WORN BY THE OPERATOR.
STOP ENGINE, WAIT FOR ALL MOVEMENT TO STOP BEFORE LEAVING OPERATOR'S POSITION TO ADJUST, LUBRICATE, CLEAN OR UNCLOG MACHINES. UNLESS OTHERWISE SPECIFICALLY RECOMMENDED IN THE "OPERATOR'S MANUAL."
NEVER START THE MACHINE UNTIL ALL GUARDS AND SAFETY SHIELDS ARE SECURED IN PLACE.
KEEP OFF EQUIPMENT UNLESS SEAT OR PLATFORM FOR OPERATION AND OBSERVATION IS PROVIDED. KEEP ALL OTHERS OFF.
PTO SHIELD MUST ROTATE FREELY AND BE IN PLACE.
ALWAYS RUN PTO STRAIGHT IN LINE TO AVOID AN ACCIDENT BY BREAKAGE.
YOU MUST OBSERVE ALL APPLICABLE TRAFFIC LAWS WHEN TRANSPORTING ON PUBLIC ROADWAYS (WHERE LEGAL TO DO SO). CHECK LOCAL LAWS FOR ALL HIGHWAY LIGHTING AND MARKING REQUIREMENTS AND COMPLY WITH THESE LAWS.
MAKE CERTAIN EVERYONE IS CLEAR OF MACHINE BEFORE STARTING ENGINE OR OPERATION
PLEASE KEEP ALL DECALS AND SLOW MOVING VEHICLE SIGN CLEAN SO THEY ARE LEGIBLE.
If any decal becomes damaged or lost, call your dealer or our plant for replacement.
Always use GENUINE MEYER replacement parts
46-0001-22

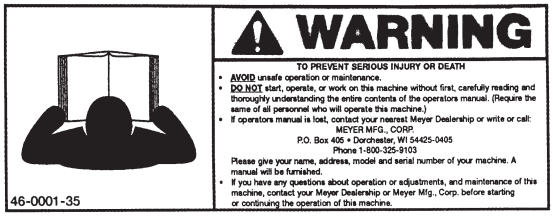
Decal C - 46-0001-22

Decal A - 46-3600-9

Decal B - 46-0001-5

Decal D - 46-0001-13

Decal E - 46-0001-4


WARNING
TO PREVENT SERIOUS INJURY OR DEATH
• AVOID unsafe operation or maintenance.
• DO NOT start, operate, or work on this machine without first, carefully reading and thoroughly understanding the entire contents of the operators manual. (Require the same of all personnel who will operate this machine.)
• If operators manual is lost, contact your nearest Meyer Dealership or write or call:
MEYER MFG., CORP.
P.O. Box 405 • Dorchester, WI 54425-0405
Phone 1-800-325-9103
Please give your name, address, model and serial number of your machine. A manual will be furnished.
• If you have any questions about operation or adjustments, and maintenance of this machine, contact your Meyer Dealership or Meyer Mfg., Corp. before starting or continuing the operation of this machine.
46-0001-35

Decal F - 46-0001-35

Decal G - 46-0001-26

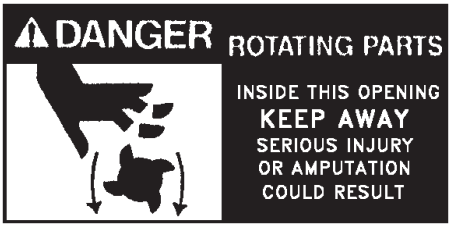
Decal H - 46-3600-6

Decal I - 46-0004-2

Decal J - 46-3600-1

Decal L - 46-8500-7

Decal M - 46-3600-2



Decal K - 46-3600-8

CAUTION: READ ALL DECALS ON THE SPREADER AND IN THIS MANUAL. KEEP THESE DECALS CLEAN AND REPLACE ANY LOST OR DESTROYED DECALS. BECOME FAMILIAR WITH ALL TRACTOR AND SPREADER CONTROLS.

PRE-OPERATION

WARNING: BEFORE OPERATING, READ THIS OWNERS MANUAL COMPLETELY. PAY PARTICULAR ATTENTION TO THE "SAFETY PRECAUTIONS" AND "SAFETY FIRST" PAGES. READ ALL SAFETY MESSAGES HIGHLIGHTED BY "SAFETY ALERT SYMBOLS" THROUGHOUT THE MANUAL.

This spreader is to be operated with 540 RPM PTO only, unless the spreader is 1000 RPM equipped. The hitch of the spreader is designed for a standard tractor drawbar. Adjust the drawbar at 13 to 17 inches above the ground. Extend or shorten the drawbar so horizontal distance from end of tractor PTO shaft to center of the hitch pin hole is 14 inches. Secure the drawbar so that the hitch pin hole is located directly below the PTO drive line. See figure 1 for location of standard measurements.

An improperly located hitch point may cause damage to the universal joints of the PTO drive shaft. Conforming to the standard 14" drawbar & PTO relationship will ensure that the PTO drive shaft will not become over-extended.

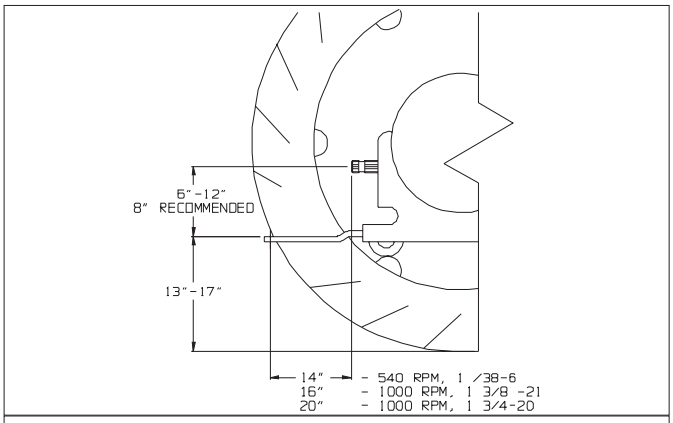


FIGURE 1. DRAWBAR & PTO RELATIONSHIP

WITH INITIAL HOOK-UP TO YOUR NEW MEYER SPREADER TEST PTO TRAVEL BY TURNING EQUIPMENT IN BOTH DIRECTIONS OBSERVING THE MINIMUM AND MAXIMUM TRAVEL DIMENSIONS AS SHOWN PER DRAWING ON FIGURE 5, PAGE 16.

DANGER: DO NOT OPERATE WITHOUT PTO GUARD ON SPREADER AND ON TRACTOR. MAINTAIN PTO DRIVE SHAFT GUARD TUBES IN OPERATING CONDITION. REPLACE THEM IF DAMAGED AND NOT TURNING FREELY. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

WARNING: INSPECT REGULARLY THAT ALL CONNECTIONS AND BOLTS ARE TIGHT AND SECURE BEFORE OPERATING. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Check for proper assembly and adjustment and make sure that all bolts are tightened. Securely retighten after a few hours of operation, as bolts can loosen up on new machinery. Check wheel lug nuts upon delivery and periodically thereafter. Lug nuts should be tightened and the tires inflated to the recommended pressure. Refer to the wheel torque and tire inflation chart on page 55

Inspect all adjustments on the spreader to be sure they are proper and to provide maximum performance. Lubricate the spreader completely if it is required and check the level of liquid gear grease in all three gearboxes.

WARNING: DO NOT OPERATE WITHOUT ALL SHIELDS, GUARDS AND COVERS INSTALLED. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Fasten the spreader hitch to the tractor drawbar with a hitch pin that cannot bounce out. Use 1" diameter hitch pin to pull spreader.

Remove the weight from the jack (jack is not to be used when spreader is loaded). Remove jack from square mount tube and move to the transport storage tube on the left front side of the frame channel. Store in a horizontal position.

Before operation and after hitching the tractor to the spreader, connect the PTO drive shaft to the tractor. Slide spring loaded locking collar on PTO yoke rearward, and slide yoke onto the tractor PTO shaft. Release spring loaded collar. Be sure pins fall into groove of tractor PTO shaft and collar snaps forward into locking position.

CAUTION: DO NOT USE A STEEL HAMMER TO AID IN JOINING PTO PARTS.

Route hydraulic hoses through the hose support rod which is mounted to the hitch frame, figure 2 . Connect the hydraulic hoses for the flow control rear gate to the tractor's double acting valve hydraulic system. Move the tractor hydraulic controls to observe proper flow gate operation. If the controls operate the gate in opposite directions to what you expect, reverse the hydraulic hose connections at the tractor.

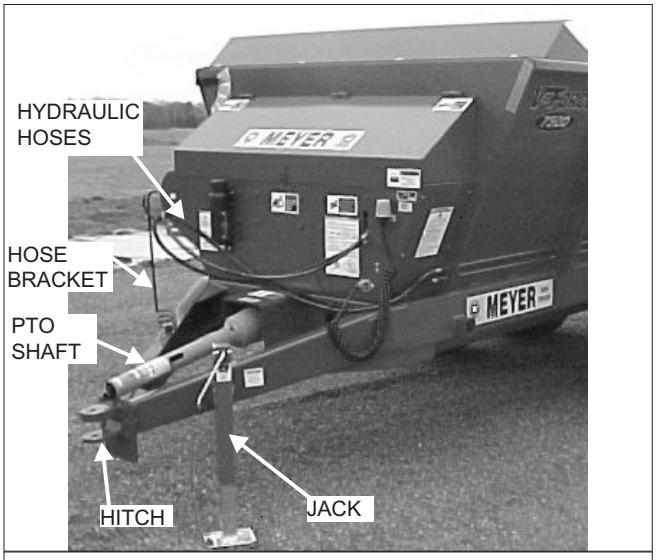


FIGURE 2. SPREADER HOOKUP

WARNING: HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO PENETRATE SKIN. KEEP ALL HOSES AND CONNECTIONS IN GOOD SERVICEABLE CONDITION. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Before loading spreader, slowly engage the tractor PTO and operate machine at idle speed for several minutes to insure the spreader is lubricated and operating properly.

Check that the flow control rear gate is completely closed. It is unlawful to allow slurry to splash or leak onto public roads.

TRANSPORTING

TRACTOR TOWING SIZE REQUIREMENTS
Use the following chart for calculating the minimum tractor weight.

MODEL	SPREADER EMPTY WEIGHT + LOAD = GW	MINIMUM TRACTOR WEIGHT UP TO 20 MPH
SV2636	6,100 + _____ = _____	2/3 of spreader gross weight
SV3245	7,640 + _____ = _____	2/3 of spreader gross weight
SV3954	8,650 + _____ = _____	2/3 of spreader gross weight
SV7400	8,040 + _____ = _____	2/3 of spreader gross weight
SV7500	9,000 + _____ = _____	2/3 of spreader gross weight
SI8720	11,445 + _____ = _____	2/3 of spreader gross weight
SI8865	18,140 + _____ = _____	2/3 of spreader gross weight

MATERIAL ESTIMATED WEIGHT PER CUBIC FOOT

MATERIAL	**LBS / CU. FT.**
LIME SLUDGE	110-115 LBS.
DRY FEEDLOT MANURE	63-65 LBS.
CHICKEN LITTER	63-65 LBS.
CAKE SLUDGE	62-65 LBS.
SEMI-SOLID MANURE	58-60 LBS.
PEN PACKED MANURE	30-35 LBS.
LIQUID MANURE	63-65 LBS.

SOURCE: ASAE

NOTE: HEAPED LOADS HAVE SIGNIFICANTLY HIGHER CAPACITIES

WARNING: DO NOT TOW AT SPEEDS GREATER THAN 20 MPH. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

MAXIMUM SPREADER LOAD WEIGHTS							
Model	**2636**	**3245T**	**3954T**	**7400**	**7500**	**8720T**	**8865T**
Maximum Gross Weight (Pounds)	12,000	24,000	32,000	24,000	32,000	46,445	56,140
Total Net Weight (Pounds)	6,100	7,640	8,650	8,000	9,000	11,445	18,140
Cubic Foot Capacity**	181	227	272	249	324	468	562
Capacity in Gallons	1,355	1,694	2,033	1,868	2,433	3,500	4,200
**Struck capacity, heaped loads have significantly higher capacities							

Operating speed is dictated by the terrain over which you are traveling. Always use caution. Avoid traveling on slopes or hills that are unsafe.

WARNING: OBSERVE ALL APPLICABLE TRAFFIC LAWS WHEN TRANSPORTING ON PUBLIC ROADWAYS. CHECK LOCAL LAWS FOR ALL HIGHWAY LIGHTING AND MARKING REQUIREMENTS.

WARNING: INSTALL A SMV EMBLEM ON REAR OF SPREADER FOR TRANSPORTING ON ROADWAYS AND KEEP THIS EMBLEM CLEAN AND BRIGHT. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

If you will travel on public roads and it is legal to do so, you must know all rules governing such operation. This will include lighting and brake requirements in addition to traffic rules. You may also be required to install a safety chain device on the spreader.

Check for traffic constantly. Be sure you can see that no one is attempting to pass you and that all traffic is sufficiently clear from you before making any turns.

USE OF SAFETY CHAIN

CAUTION: A SAFETY CHAIN MUST BE INSTALLED TO RETAIN THE CONNECTION BETWEEN TRACTOR (OR OTHER TOWING VEHICLE) AND SPREADER WHENEVER TRAVELING ON PUBLIC ROADS IN CASE THE HITCH CONNECTION WOULD SEPARATE. A SUGGESTED ATTACHMENT IS ILLUSTRATED ON FIGURE 3.

The chain must be strong enough to hold the weight of the loaded spreader (See table on page 10). If using a grab hook at the end(s) of the chain to secure the chain to itself, a hook latch must be installed.

The length of the safety chain is not to be any longer than necessary to turn without interference. If any chain links or attachment hardware are broken or stretched, repair before using. Store chain so it does not corrode or become damaged. Do not use this chain for other implements because the strength and length of the chain may not be adequate. Identify this chain for use on this particular spreader. Do not use the intermediate support as the attaching point.

TRUCK MOUNT SPREADERS

Depending on the make and model of the truck it may be necessary to install a light converter (MEYER PART #56-0028). Converter will allow signal lights and brake lights to operate according to DOT lighting standard. Call factory for more information.

FREEZING WEATHER OPERATION

Allow spreader to completely empty last of manure contents and disengage tractor PTO. Shut off tractor, remove the ignition key and allow all movement to stop before attempting to clean the spreader.

WARNING: DO NOT CLEAN, ADJUST OR LUBRICATE WHILE SPREADER IS IN MOTION. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

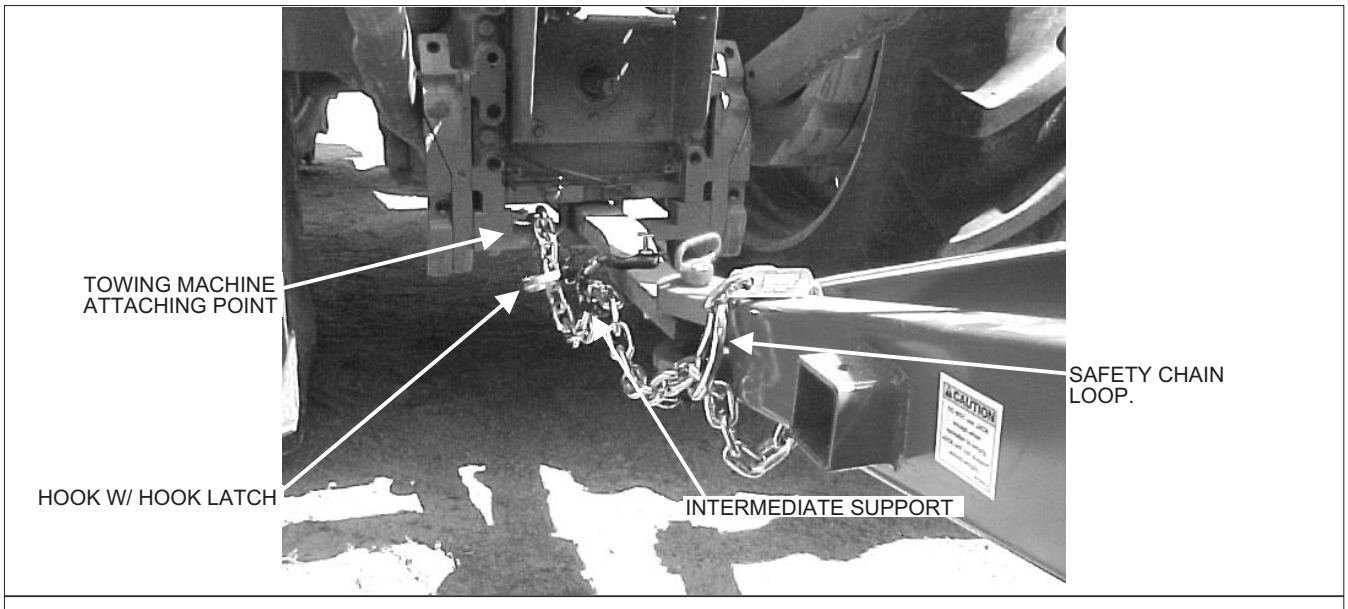


FIGURE 3. SAFETY CHAIN INSTALLATION

Clean all manure from rear ends of augers, flow control rear gate and spinners.

WARNING: MAKE CERTAIN EVERYONE IS CLEAR OF THE SPREADER BEFORE APPLYING POWER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Slowly engage the PTO. Operate the spreader several minutes to clean manure scrapings and to allow any remaining manure and the spreader to freeze dry. Hydraulically run the flow control rear gate up and down to clean gate slide guides. Park spreader with flow control rear gate approximately halfway open.

Before loading in freezing weather, make sure augers and spinners are free to rotate, and the flow control rear gate moves freely up and down.

DANGER: KEEP AWAY AND KEEP OTHERS CLEAR OF ROTATING SPINNERS AT REAR OF SPREADER. SERIOUS INJURY OR AMPUTATION COULD RESULT. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

OPERATION

LOADING

CAUTION: TO PREVENT DAMAGE TO AUGERS, SPINNERS, AND DRIVE LINES, FOREIGN OBJECTS (STONES, CONCRETE, TIMBER, METAL OR LARGE FROZEN CHUNKS OF MANURE) SHOULD NEVER BE LOADED INTO THE SPREADER.

DANGER: NEVER ENTER THE SPREADER BOX FOR ANY REASON WITHOUT FIRST DISCONNECTING PTO SHAFT FROM TRACTOR. DO NOT ALLOW OTHERS IN THE BOX. ROTATING AUGERS CAN CRUSH AND DISMEMBER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

CAUTION: DO NOT USE JACK EXCEPT WHEN SPREADER IS EMPTY. JACK WILL NOT SUPPORT ADDED WEIGHT. UNBALANCED WEIGHT MAY RESULT IN UNEXPECTED "TIP UP" OF SPREADER.

Before loading, especially in freezing weather, make sure the augers and spinners are free to rotate and the flow control rear gate moves freely up and down.

Check and be sure that the flow control rear gate is completely closed before loading.

When the spreader is parked for loading, shift the tractor to neutral or park and set the brakes. The moisture content of the manure will determine how full the spreader can be loaded so that no manure spills out.

You will probably be able to load solid manure at least level with the top of the box while semi-liquid and liquid manure will have to be less than full in the spreader box. It is unlawful to allow manure to splash or leak onto public roads.

A liquid manure kit is available for installation around the top of the box on your spreader which will aid in the containment of liquids.

UNLOADING

WARNING: MAKE CERTAIN EVERYONE IS CLEAR OF SPREADER BEFORE APPLYING POWER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

DANGER: KEEP AWAY AND KEEP OTHERS CLEAR OF ROTATING SPINNERS AT REAR OF SPREADER. SERIOUS INJURY OR AMPUTATION COULD RESULT. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

When you are ready to begin spreading application on the field, open the hydraulic flow control rear gate and slowly engage the tractor PTO clutch. This can be done while traveling forward to avoid a heavier application of liquid manure at the edge of the field than desired.

For liquid and semi-liquid manure, the application rate can be controlled by the amount the flow control rear gate is opened. The gate indicator on the front of the 7500 box or on rear of 7400 box will provide a ready reference for the amount of opening. See figure 4. For solid manure (dry, pen-packed or manure containing long straw or hay) the flow control rear gate MUST be completely open since this material is not free flowing.

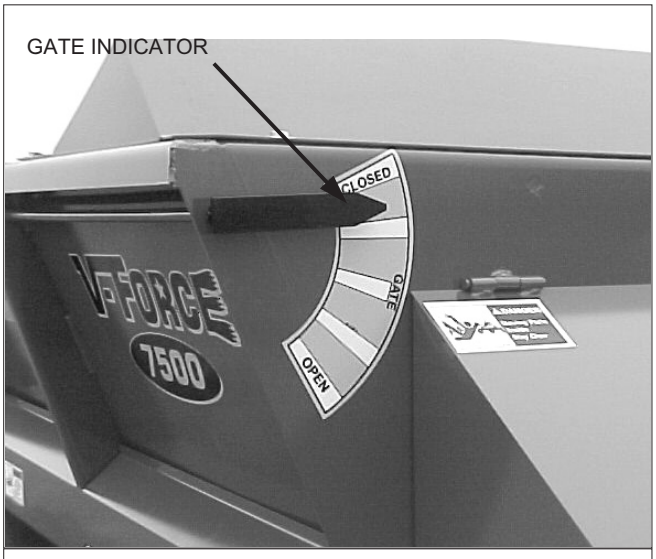


FIGURE 4. FLOW CONTROL REAR GATE
(7500 Shown)

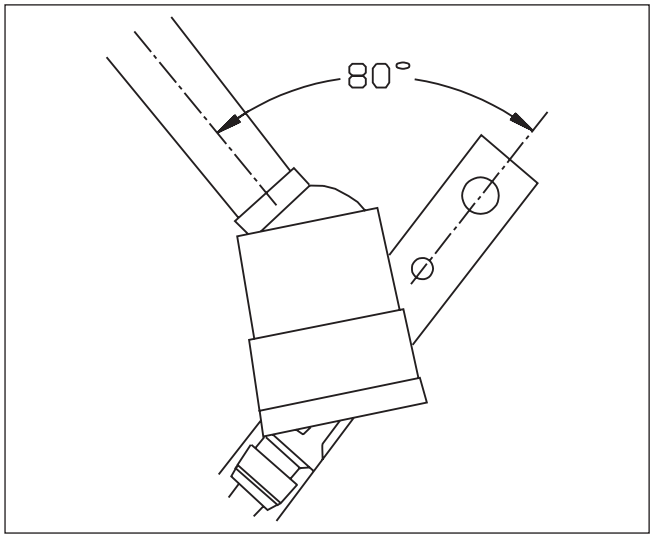
<u>VERY IMPORTANT</u>: THIS MACHINE IS NOT INTENDED TO BE A BALE GRINDER, HAY CHOPPER OR BEDDING MACHINE. LONG HAY OR STRAW MUST CONTAIN MANURE IN ORDER TO BE SPREAD. FAILURE TO COMPLY MAY DAMAGE THE DRIVETRAIN AND VOID THE WARRANTY.

The rear spinners have been designed and tested to provide the best spread pattern for most liquids and semi solid manure. However, the pattern will vary for each specific condition. The factors that contribute most to differing patterns will be moisture content and the amount and length of bedding material. For most typical conditions, the spread pattern should be uniform and about 20 ft. wide. When this is the case, plan your spreading patterns so you do not have to travel over previously spread manure which will be slippery, resulting in poor traction. Traction on wet grass is also poor. When the resulting pattern may require that you overlap during spreading, use precautions on slopes and hills where you could experience a loss of traction by traveling over ground with previously spread manure.

NOTE: Further control of the application rate is possible by the relationship of tractor engine speed to ground speed (transmission gear selection). <u>For optimum, trouble-free performance it is necessary to operate at or near engine PTO speed.</u>

When the spreader is empty, idle the tractor and stop the PTO. Close the flow control rear gate.

WARNING: <u>NEVER</u> OPERATE PTO ABOVE ITS NORMAL 540 RPM RATING. <u>NEVER</u> CONNECT SPREADER PTO SHAFT TO A 1000 RPM TRACTOR PTO, UNLESS THE SPREADER IS EQUIPPED WITH A 1000 RPM OPTIONAL KIT. TRACTOR PTO <u>MUST</u> MATCH IMPLEMENT PTO. FAILURE TO HEED MAY RESULT IN SPREADER DAMAGE OR SERIOUS PERSONAL INJURY.



NOTE: Failure to idle the tractor before disengaging the PTO will cause roller chain over-running and damage to the chain tighteners.

NOTE: Maximum life of the PTO shaft universal joints will result if you stop the PTO while making turns at the end of the field.

CAUTION: DO NOT EXCEED THE MAXIMUM 80° TURNING ANGLE ON THE CONSTANT VELOCITY PTO DRIVE LINE. EXCEEDING THE TURNING ANGLE WILL DAMAGE THE CONSTANT VELOCITY "CENTER HOUSING" AND WILL EXERT EXCESSIVE PRESSURES ON THE PTO INPUT CENTER SHAFT AND RELATED BEARINGS.

SHEAR SPROCKET INSTRUCTIONS

(7500 Model standard, 7400 Model optional)

The Meyer Spreader you have received has been equipped with a shear sprocket design on the main auger drive sprockets. The augers are being driven by two ½" allen head grade 8 bolts. The design is such that if the bolts are sheared another set of holes to install new shear bolts will always be accessible without turning over the machine.

DANGER: AT NO TIME SHOULD INSTALLATION BE DONE WITH ANYONE ON THE TRACTOR. SHUT THE TRACTOR OFF, REMOVE THE KEY AND DISCONNECT THE DRIVE LINE BEFORE DOING ANY SERVICE ON THIS MACHINE. SERIOUS INJURY OR DEATH MAY OCCUR IF SAFETY IS NOT FOLLOWED.

The plate sprocket is set up with the initial drive bolts being ½" diameter. An extra set of holes for 9/16" drive bolts are located on the sprocket if a additional shear strength is needed due to shear bolt failure from obstruction. If the ½" bolts shear, replace with the same ½" diameter bolts after obstruction is removed. **DO NOT JUMP TO THE UP TO THE NEXT SIZE BOLT.** Install the new bolts in the proper way as to drive off of **the head** of the bolt, not the nut. The two different size holes available (½ & 9/16") are close in size. **Be sure to install the proper size bolt into the correct size hole. Shear or sprocket failure will occur if assembled incorrectly!**

<u>Recommended procedure to follow if shear does occur</u>. If only one auger shears unload the opposite side of spreader and remove obstruction from sheared side of machine. After obstruction has been removed install new shear bolts in sheared auger and unload the remainder of the load. If both sides do shear install only one set of auger shear bolts and unload one

side at a time. After first side is unloaded install bolts in opposite side and unload the remainder of the spreader. If a second shear has happened without obstruction in the auger, install the next larger size shear bolt. As the shear bolt size is increased the protection on the machine is going to decrease. The potential for equipment damage is greater.

Order replacement bolts and nuts from the chart below.

Part #	Description
831-5020-1.75	½-20x1-3/4" Allen Head Cap Bolt
884-5020	½-20 Top Locknut Grade 8
831-5618-1.75	9/16-18x1-3/4" Allen Head Cap Bolt
884-5618	9/16-18 Top Locknut Grade 8
910-0101	120B33 Shear Sprocket Assembly Complete

STORAGE AFTER USE

WARNING: DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSES BEFORE CLEANING, ADJUSTING, OR SERVICING THIS MACHINE. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Before storing this spreader for an extended period of time perform the following:

Allow the spreader to completely clean out the last load. Thoroughly hose off all manure from the outside of the spreader and the inside of the box, particularly getting the flow control rear gate mechanism clean. The wash water can be drained into your manure storage pit, or if the gate is left closed, the water can be spread on the field. After cleaning, completely lubricate the entire spreader to exclude moisture from bearings and to prevent condensation from forming during storage. See "Lubrication" pages 21 and 22.

Apply oil to roller chain drives. It is also a good time to inspect all adjustments and check for parts that need repair or replacement. Performing these tasks now will guarantee that the spreader is ready for use at the beginning of the next season.

PTO DRIVE LINE

WARNING: BEFORE ATTEMPTING TO OPERATE THIS SPREADER, READ AND STUDY ALL SAFETY INFORMATION. IN ADDITION, MAKE SURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THE SPREADER, WHETHER FAMILY MEMBER OR EMPLOYEE, IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

WARNING: DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSES (RELIEVE HYDRAULIC PRESSURE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

The Meyer V-Force Spreader is equipped with a cutout type clutch on the implement half of the PTO drive line. The clutch is designed to limit the amount of torque transferred to the machine through the drive line. If excessive torque is developed the clutch will disengage. A loud ratcheting sound will be heard and the transfer of power to the machine will be disrupted. To re-engage the machine simply shut down the PTO and allow the drive line to come to a stop. The PTO can then be re-engaged to restart the spreader. The cutout clutch will either re-engage upon shut down of the PTO or just before it comes to a complete stop.

The cutout clutch will disengage if start up is done in an abrupt or reckless manner. It also will disengage from foreign materials entering the spinner area of the spreader. It may also be possible to disengage the clutch by overloading or flooding the spinners with free flowing or liquid manure. If PTO clutch fails to re-engage it will be necessary to remove the foreign object from the spreader before restarting. **THERE IS NO FIELD ADJUSTMENT ON THE CUTOUT CLUTCH.**

DANGER: NEVER ENTER THE SPREADER BOX FOR ANY REASON WITHOUT FIRST PERFORMING THESE STEPS:

- STOP THE TRACTOR, SHUT THE TRACTOR OFF AND REMOVE THE KEY.
- SET THE PARKING BRAKE AND DISCONNECT THE PTO DRIVE LINE FROM THE TRACTOR.
- DO NOT ALLOW OTHERS IN THE BOX.

ROTATING AUGERS CAN CRUSH AND DISMEMBER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

DRIVE LINE ATTACHMENT

The cutout clutch end of the PTO drive line must always be attached to the implement. The PTO drive line is equipped with a 1 3/8-6 spline on the implement half for attaching to the spreader. Remove the M17-hexagon bolt from the splined hub and slide the PTO onto the implement splined input shaft. Install the hexagon bolt through the hub being sure the bolt is falling into the groove on the splined shaft. Torque tight using a metric size M17 6-point socket and torque down to 75 ft. lbs. **A M17 6-POINT METRIC SOCKET MUST BE USED AS ROUNDING OF HEXAGON BOLT AND INACCURACY OF TORQUE SETTINGS COULD OCCUR.**

If removal of the M-17 hexagon bolt is necessary, use the same M-17 6-point socket and loosen bolt 1/2 turn. Insert a ¼" drift punch in the hole on the opposite side of the hexagon bolt and tap to loosen the seated portion of the bolt from the splined hub. Loosen in 1/2 turn increments while tapping to loosen. After bolt seat has been released, remove the bolt. If bolt is not unseated, damage to the hexagon bolt will occur.

Attach the shield safety chain to a suitable area on the spreader, preferably to the implement PTO steel shield.

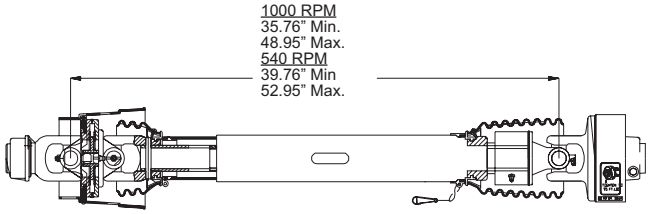


FIGURE 5. PTO DRIVE LINE

DANGER: NEVER ENTER THE SPREADER BOX FOR ANY REASON WITHOUT FIRST PERFORMING THESE STEPS:

- STOP THE TRACTOR, SHUT THE TRACTOR OFF AND REMOVE THE KEY.
- SET THE PARKING BRAKE AND DISCONNECT THE PTO DRIVE LINE FROM THE TRACTOR.
- DO NOT ALLOW OTHERS IN THE BOX.

ROTATING AUGERS CAN CRUSH AND DISMEMBER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

Adjust the drawbar at 13-17” above the ground. Extend or shorten the drawbar so horizontal distance from end of tractor PTO shaft to center of hitch pin hole is 14” for 540 RPM 1-3/8-6 spline, (16” for optional 1000 RPM 1-3/8-21, 20” for 1000 RPM 1 3/4- 20 spline). Secure the drawbar so the hitch pin hole is located directly below the PTO drive line. PTO adapters are not recommended as damage to the drive line may occur. A hitch pin with a minimum diameter of 1” and bottom retaining pin is recommended.

AN IMPROPERLY LOCATED HITCH POINT MAY CAUSE DAMAGE TO THE UNIVERSAL JOINTS OF THE PTO DRIVE SHAFT. CONFORMING TO THE DRAWBAR AND PTO RELATIONSHIP SHOWN ON FIGURE 1, PAGE 9 WILL ENSURE THAT THE PTO DRIVESHAFT WILL NOT BECOME OVER EXTENDED. USE THE CORRECT SETTING FOR 14” - 540RPM 1 3/8-6 or 16” - 1000RPM 1 3/8-21, or 20” - 1000 RPM 1 3/4- 20. WITH INITIAL HOOK-UP TO YOUR NEW MEYER SPREADER TEST PTO TRAVEL BY TURNING EQUIPMENT IN BOTH DIRECTIONS OBSERVING THE MINIMUM AND MAXIMUM TRAVEL DIMENSIONS AS SHOWN PER DRAWING ON FIGURE 5, PAGE 16.

LUBRICATION

LUBRICATION

A high quality Lithium Base Grease should be used

PRIOR TO USE

A. Using the CV Zerk (Key #2) place 20 pumps of grease into the CV center housing. This should be done with the drive line / CV as straight as possible.

B. Slowly articulate the double joint through its maximum joint angle several times.

C. Return the CV joint to its straight position and insert additional grease into the CV Zerk (Key #2) until grease is evident around the housing and center sliding disk.

NORMAL OPERATION

A. Lubricate the following items after every eight (8) hours of operation. If short rows and frequent turning or other demanding conditions exist, lubricate at four (4) hour intervals.

1. Cross and bearings (Key #1)-Add grease until it is purged around the seals.
2. CV center housing (Key #2)-Add grease until it is evident around the center sliding disk.
3. Telescoping members (Key #3)-Add grease until it adequately covers the sliding members. Take apart occasionally to make sure adequate lubrication is being added.

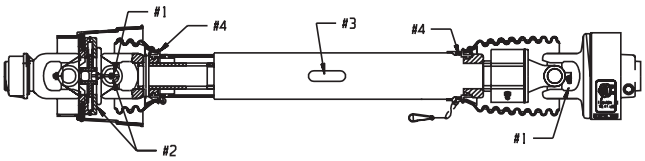


FIGURE 6. PTO DRIVE LINE

4. Shield bearings (Key #4)-Add 2-3 pumps.

FAILURE TO FREQUENTLY GREASE THE CV CENTER HOUSING AND TELESCOPING MEMBERS WILL REDUCE THE LIFE OF THE CV.

MAINTENANCE INFORMATION

It is extremely important to follow the maintenance guidelines. If telescoping members become hard to slide during normal operation, it is recommended the shaft be taken apart, cleaned with solvent and re-coated with grease before re-assembling. As a minimum it is important this be done after each season of use.

ADJUSTMENTS

WARNING: DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSES (RELIEVE HYDRAULIC PRESSURE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

SPINNER MATERIAL GUIDES

Regularly inspect and adjust two spinner material guides located at both the LR and RR of the spreader. Create a 1/8 - 3/8" clearance between material guides and spinner teeth, figure 7. Maintain the recommended clearances for maximum spreading pattern. Adjust to prevent excessive manure build-up on material guide inner surfaces. Adjust to prevent manure chunks or foreign object lodging between material guides and spinner teeth.

NOTE: Excessive lodging can cause premature spinner tooth wear, "bent-over" or even breakage.

SHEAR ARM MATERIAL GUIDE ADJUSTMENT

Adjustment for the 1/8- 3/8" clearance of each material guide to spinner tooth is made by loosening the jam nut on the linkage arm and turning the linkage arm to either move the guide in closer or out farther from the spinner teeth. After adjustment has been made for the 1/8- 3/8" clearance retighten the jam nut to hold the material guide in place. Once recommended clearance is obtained turn spinners over by hand in the direction by which the spreader would turn to check clearance. Do not turn in the opposite direction as front chain tightener damage could occur. If foreign objects enter the spinner area the rear pivot bolt on the shear arm is designed to shear. The ½-13 x 3 ½" grade 5 replacement machine bolts are stored under the rear shield. For replacement install with ½" flat washer on top and on bottom of block and tighten nylon locknut firmly.

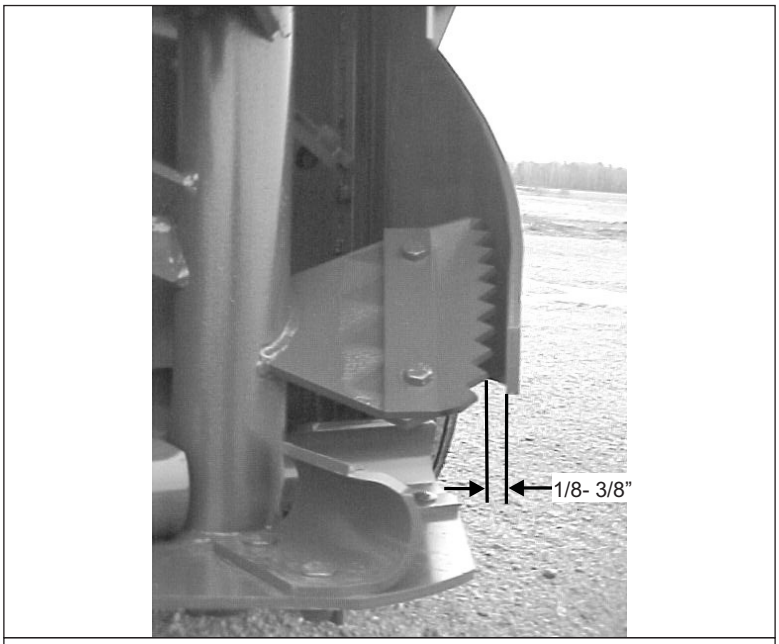
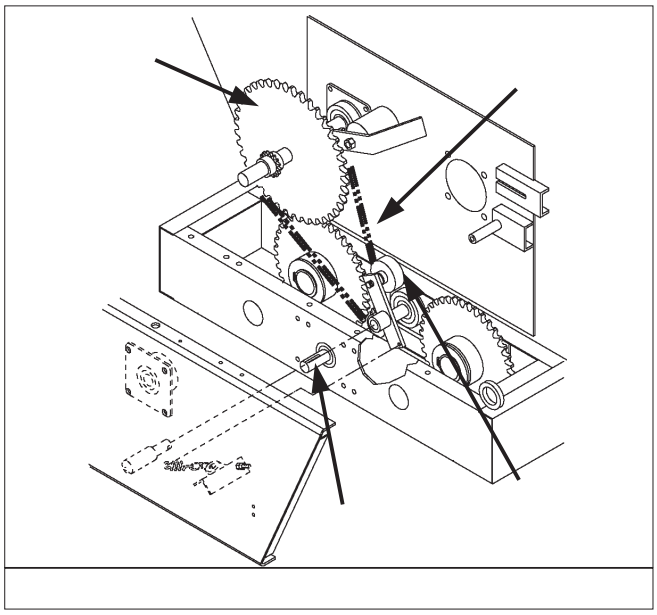
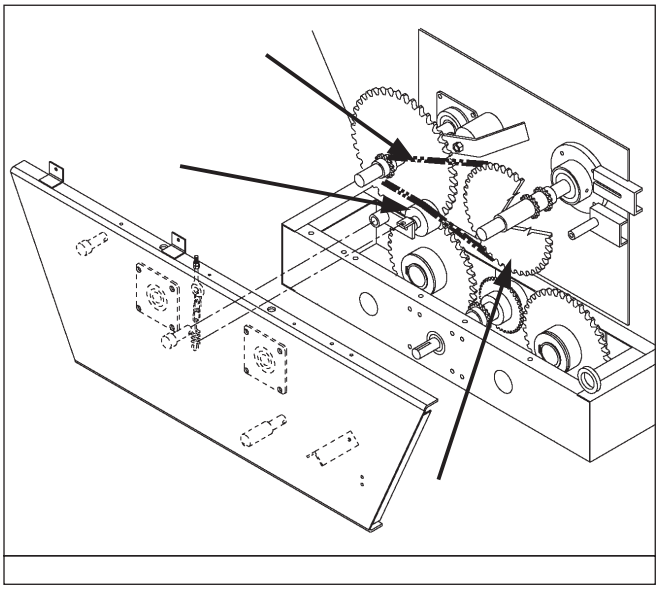


FIGURE 7. MATERIAL GUIDE CLEARANCE





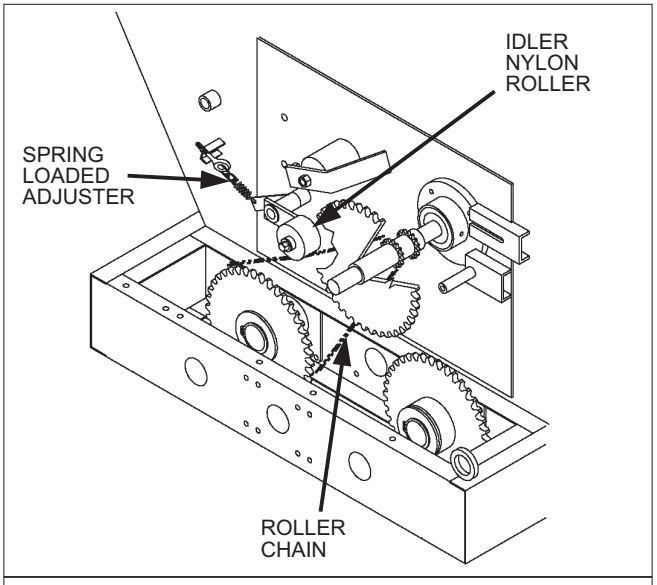


FIGURE 10. RH AUGER CHAIN DRIVE

RH AUGER SPROCKET

The RH auger chain drive, figure 10, is automatically tensioned by a spring loaded idler NYLON roller. The extension spring should extend 3/4" from its neutral 4" total length.

Manual adjustment for the automatic tensioning idler, NYLON roller assembly is located at the right front lower corner of the spreader tank.

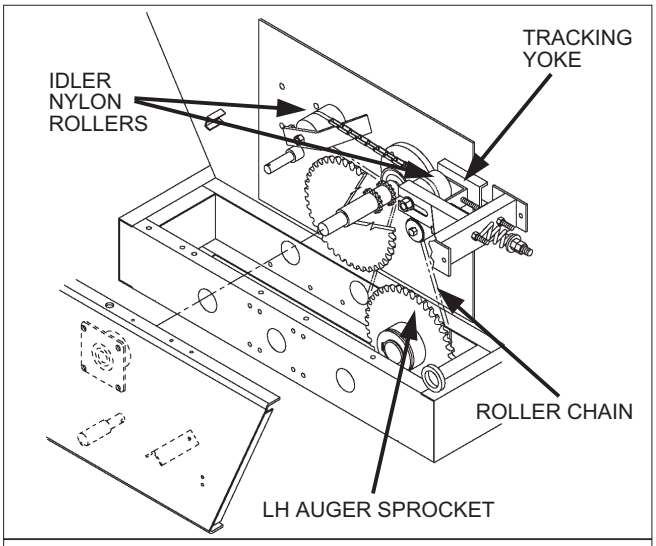


FIGURE 11. LH AUGER CHAIN DRIVE

COMPRESSION SPRING

The LH auger chain drive is automatically tensioned by a spring loaded heavy compression spring and tracking yoke/idler, NYLON roller assembly, figure 11. The one heavy compression spring should be compressed to 3-1/2" to 4" in length.

Manual adjustment for the automatic tensioning idler, NYLON roller assembly is located at the left front corner of the spreader tank.

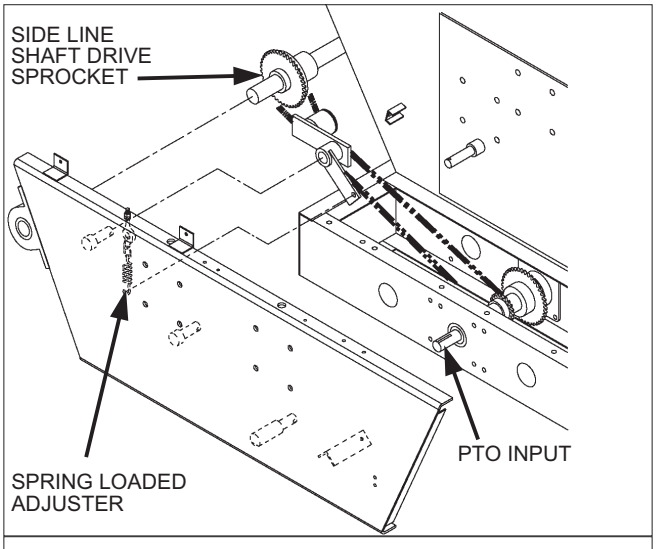


FIGURE 12. SIDE SHAFT CHAIN DRIVE

IDLER NYLON ROLLER

The side shaft chain drive (PTO input shaft to the side line shaft drive sprocket, figure 12) is automatically tensioned by a spring loaded idler NYLON roller. The extension spring should extend 2" from its neutral 5" total length.

Manual adjustment for the automatic tensioning idler, NYLON roller assembly is located at the right front of the spreader's front bearing mounting plate.

LUBRICATION

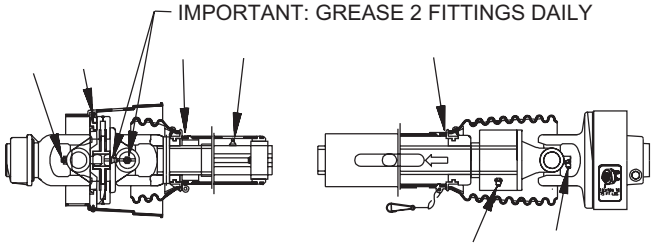
WARNING: DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSES (RELIEVE HYDRAULIC PRESSURE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS MACHINE. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

DAILY LUBRICATION (every 8-12 loads)

L1 Grease (2) rear spinner lower bearings. These bearings are grease line fitted to the LR frame channel of the spreader.

L2 Keep the reservoir tank full of new 30 weight oil for chain lubrication. The automatic chain oiler will lubricate the chains automatically every time the rear gate, hydraulic cylinder is activated. The reservoir is accessible by opening the front steel shield cover.

L3 Grease PTO Drive line (9) places with Lithium grease every 8 hours.



L4 Grease (4) bearings supporting the two large jack shaft reduction sprocket weldments on the front drive. The zerks are accessible by opening the front steel shielding cover and through the front bearing plate.

L5 Grease (2) auger shaft bushings. These bearings are grease line fitted to the RF shield of the spreader. Grease Daily, Minimum of 10 pumps. Over greasing is not possible.

WEEKLY LUBRICATION (every 25-30 loads)

L6 Grease (2) PTO input shaft bearings. These bearings are grease line fitted to the RF shield of the spreader.

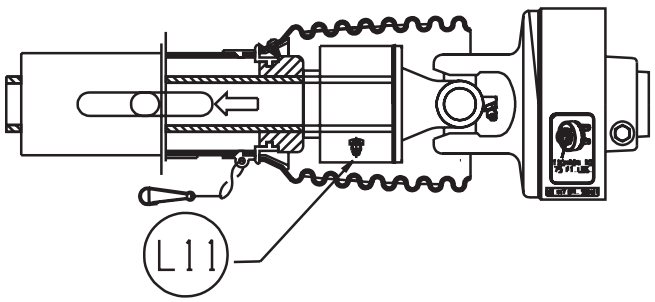
L7 Grease bearings on the RH side line shaft. The front bearing is zerk accessible through the RF steel shielding. The remaining rear bearings are located along the RH side of the spreader tank, zerks accessible through the steel shielding.

L8 Grease (4) tandem wing pivots. Effectively grease by jacking up the spreader to relieve pressure points on the pivot shaft. Over greasing is not possible.

L9 Grease (2) flow control rear gate and lifting arm pivot points. Grease gate pivot at center of flow control rear gate. Grease lifting arm pivot support at LR of spreader. Over greasing is not possible. Apply grease to slot in gate lift arm.

L10 Grease (2) flow control rear gate slide guides. With the flow control gate in the closed position grease the zerk located on each side of the gate slides. Grease 4-6 pumps on each side and run gate up and down several times. Repeat the greasing until gate slides are heavily lubricated. In freezing weather dump used motor oil down each slide guide once a week or more often if needed. Over greasing is not possible.

L11 Grease (1) integral overrunning clutch at rear of the PTO drive line. The zerk is on the yoke of the



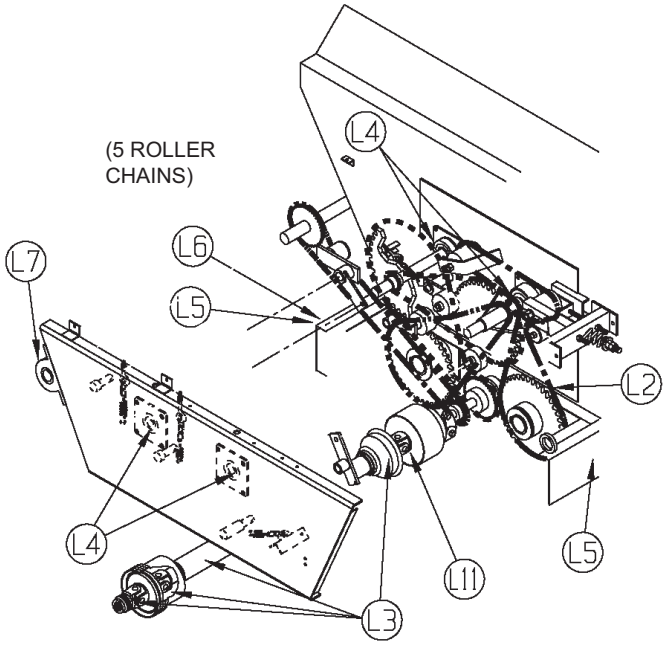
clutch. Use Shell Super Duty or an equivalent lithium grease.

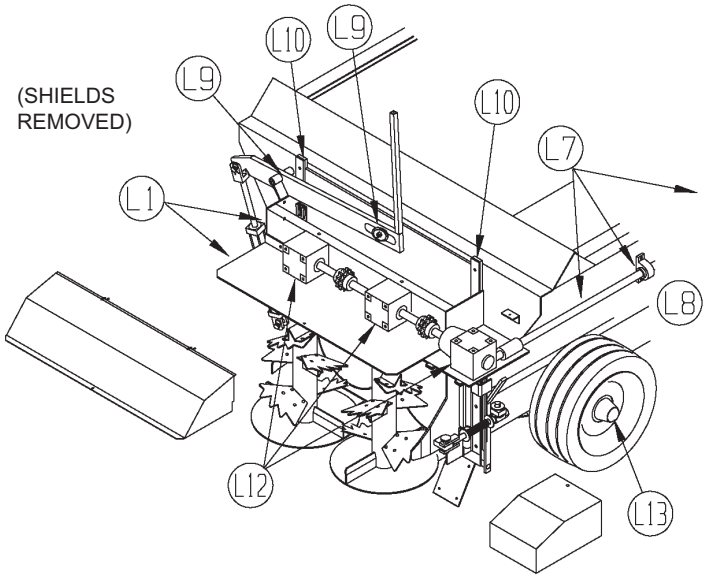
L12 Check regularly for any observable lube leakage of the (3) gearboxes at the rear of the spreader. See L12 under *Monthly Lubrication.*

MONTHLY LUBRICATION

(L12) Keep the (3) gearboxes ½ full of liquid gear grease at all times, capacity approximately 30 oz. Check regularly for any observable leakage. If leakage is excessive, replace required input/output shaft seals as needed. Lubricate with a "Semi-Fluid, EP Lithium Base, Gear Grease".

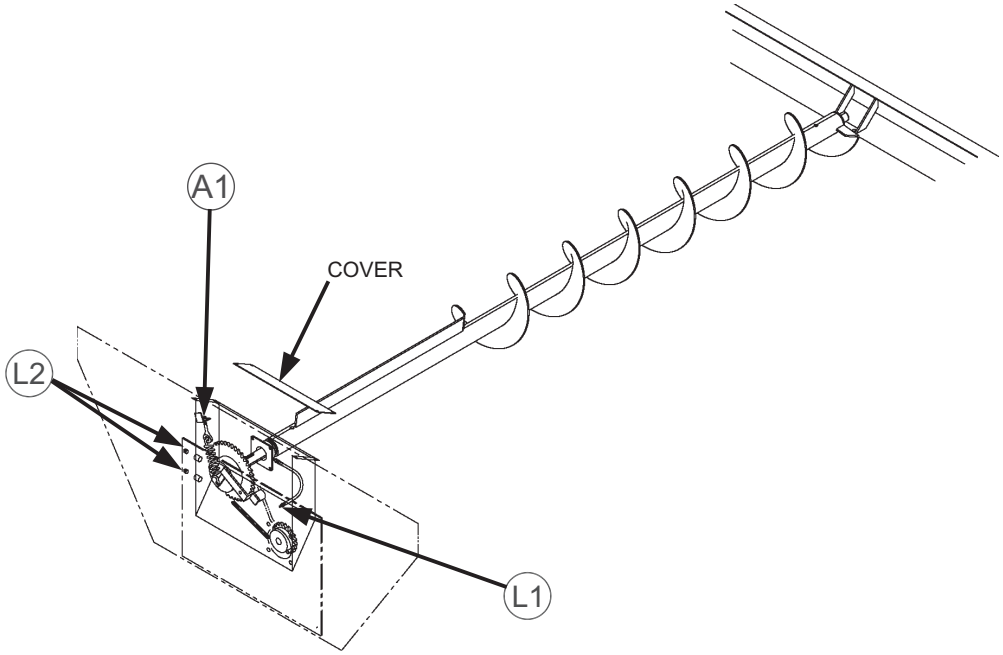
(L13) Clean and repack the wheel hubs with axle grease annually. Grease hub through zerk in hub monthly. Be careful not to over grease and force seal out of back side of hub.





LUBRICATION & ADJUSTMENT FOR 3RD AUGER

WARNING: DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSES (RELIEVE HYDRAULIC PRESSURE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS MACHINE. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OF DEATH.



WEEKLY LUBRICATION (every 25-30 loads)

(L1) Grease (1) bearing supporting the front shaft of the 3rd auger assembly. This bearing is grease line fitted to the spreader front, bearing back plate. The zerk is accessible by opening the front steel shielding cover.

SEASONAL LUBRICATION

(L2) Maintain oil level in the (1) oil bath enclosure at the top, check plug line level. Check regularly for any observable leakage. If oil leakage is excessive, repair with silicone. Use #80-90 wt. gear lube oil or an equivalent. Lighter weight gear lube oil may be used in temperatures less than 20°F. **Change oil in the oil bath enclosure after the first season of use and regularly thereafter. (2.5 gallon capacity) Condensation can occur. Drain out water (bottom plug) as needed.**

- Remove lower plug for draining purposes.
- Remove reservoir cover or level plug for filling purpose. (SEAL COVER TIGHT WITH SILICONE WHEN RE-INSTALLING.)

ADJUSTMENTS

(A1) The 3rd auger drive roller chain (large LH top reduction sprocket weldment to the 3rd auger) enclosed in the oil bath is automatically tensioned by a spring loaded idler/slide pipe. The tensioning, extension spring should extend 3/4" from its neutral 4" total length.

Manual adjustment for the automatic tensioning idler assembly is located at the RF, top of the oil bath enclosure just under the cover.

INSTRUCTIONS FOR AUTOMATIC CHAIN OILER

WARNING: DISCONNECT PTO DRIVE SHAFT AND HYDRAULIC HOSES (RELIEVE HYDRAULIC PRESSURE) BEFORE CLEANING, ADJUSTING, LUBRICATING OR SERVICING THIS SPREADER. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

The automatic chain oiler attachment gives a squirt of clean oil to all roller chains every time that the spreaders rear gate, hydraulic cylinder is activated. In this way, the spreaders roller chains get oiled in direct proportion to the number of hydraulic cylinder cycles of the rear gate. This assures adequate lubrication.

New 30 weight oil, which is placed in the reservoir tank mounted on the spreader, is all that is needed to properly lubricate all roller chains and sprockets. The automatic chain oiler does not use any oil from the tractors hydraulic system. The hydraulic hose connected to the bottom of the oiler pump only serves to power the piston in the pump every time that the spreaders rear gate is opened.

Should the oil reservoir tank run dry, pour about a ½ cup of clean 30 weight oil into the tank. Allow time for the oil to run down into the oiler pump slowly and allow air to escape. After thirty minutes to one hour has passed, finish filling the reservoir tank. Make sure that all fittings and brackets are tight when finished filling the tank.

WARNING: HYDRAULIC FLUID ESCAPING UNDER PRESSURE CAN HAVE SUFFICIENT FORCE TO PENETRATE SKIN. KEEP ALL HOSES AND CONNECTIONS IN GOOD SERVICEABLE CONDITION. FAILURE TO HEED MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

While running the tractors hydraulics only, open and close the spreaders rear gate several times. This will cycle the hydraulic cylinder leading to the oiler pump. Keep cycling until oil can be seen in all of the oil lines leading to the oiler brushes. (If you experience problems priming the oiler pump, you may need to bleed air out of the hydraulic hose where it is connected to the pump. Crack the fitting until oil comes out then re-tighten.) The hydraulic cylinder that the oiler pump is tied into is double acting and must reach 300 PSI of pressure to actuate the pump.

When replacing oiler brushes into brush holders, use regular ½”-20 nuts. Tighten nut finger tight initially as some adjustment may be needed later. For best results, place brush holders over top of roller chains and directly on top of sprockets. Adjust brush holders so oiler brushes are pushed down into the roller chain approximately ½”. Carefully tighten up the ½”-20 nuts on the oiler brushes. DO NOT over tighten as damage to the brush will occur. The plastic threads of the oiler brush will crack and then break off from the brush body.

IMPORTANT! The 5/32” oil line tubing can only be removed from an oiler brush by pushing in on the red plastic ring and pulling the tubing out while holding the ring down.

The oiler pump is set at the factory to deliver the maximum amount of oil per cycle. If less oil is desired, loosen the jam nut on the bottom of the pump and screw in the adjusting shaft 1/4” or approximately 5 turns. It is not recommended to screw the shaft into the bottom of the oiler pump more than 15 turns as this may not allow for proper lubrication of the roller chains.

IMPORTANT! Always use new 30 weight oil. In cold weather, use a SAE 10 or a mixture of two parts of 30 weight oil to one part diesel fuel.

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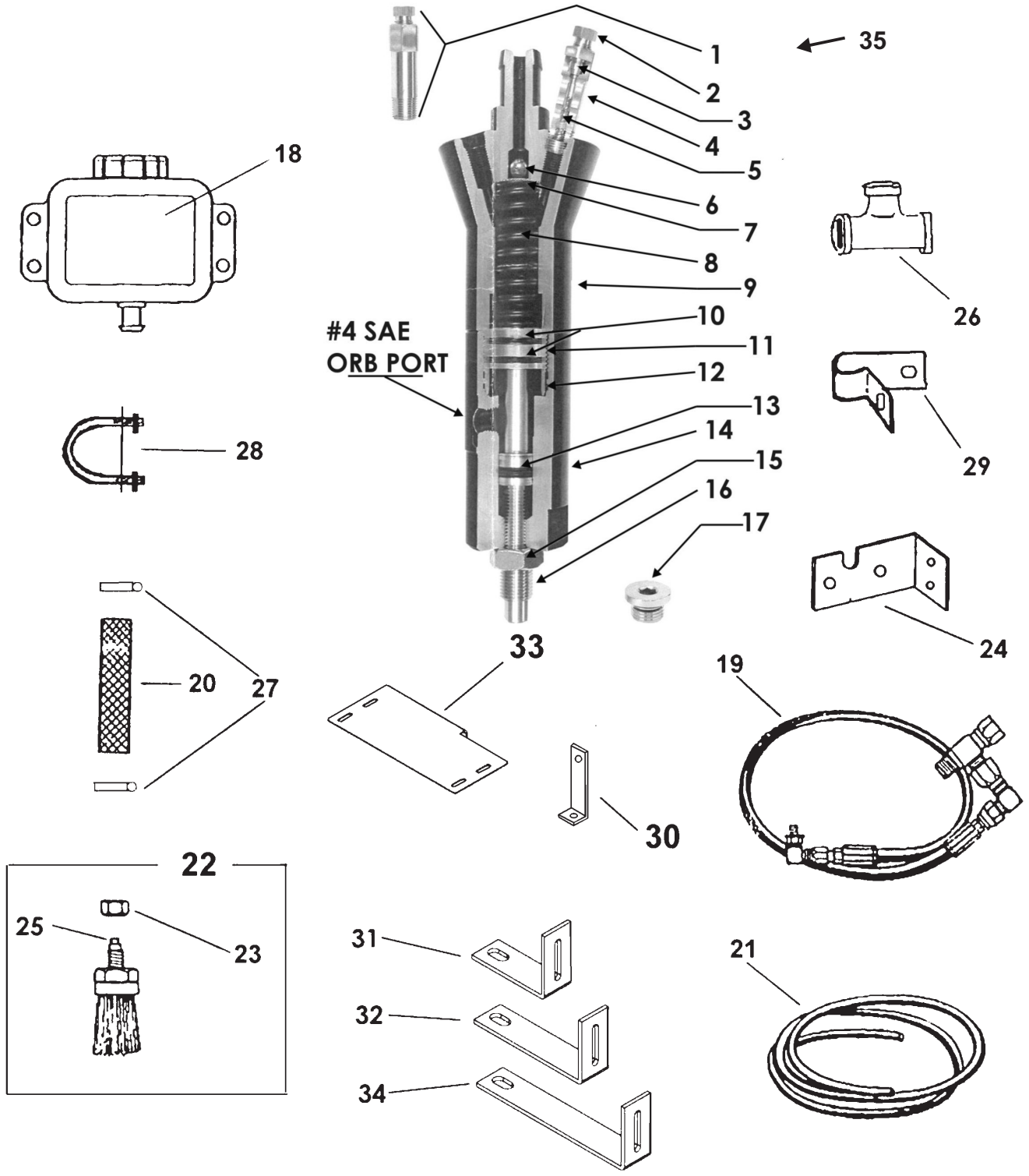
REPAIR PARTS

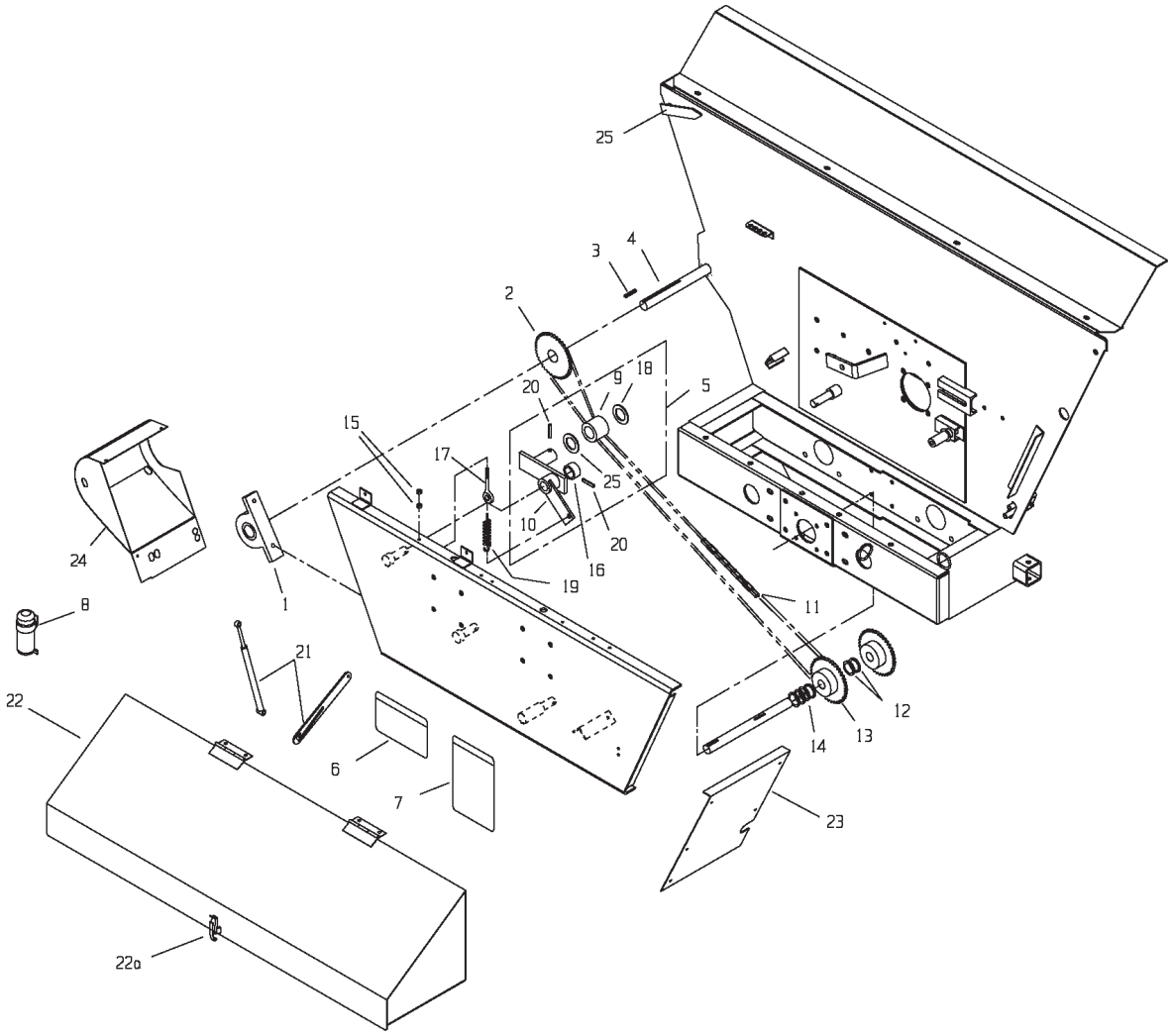
OIL-KIT



OIL-KIT

KEY	PART NO.	OEM PART NO.	DESCRIPTION
1	952-0001-1-33	170-4515	Holder, Manifold Valve Assembly
2	952-0001-1-27	576895	Sleeve Nut Brass
3	952-0001-1-28	576894	5/32 Brass Ferrule
4	952-0001-1-13	2510	Holder, Manifold Valve
5	952-0001-1-9	1012	One Way Valve (Schrader Valve)
6	952-0001-1-11	3520	Bearing, 7/16" Stainless
7	952-0001-1-10	1019	Screen Flat Oiler .906 Dia
8	952-0001-1-5	1004	Spring, Oiler
9	952-0001-1-1	21999-0222	Oiler Body 8 Port Black
10	952-0001-1-8	2-022-N552-90	O Ring, Oiler Piston 2-022 90 Dur
11	952-0001-1-4	1033	Piston, 2 Groove Alum, Short
12	952-0001-1-6	2-026-N552-90	Washer, Rubber Lube Minder
13	952-0001-1-7	2-113-N674-70	O Ring, Adj End Cap Plunger
14	952-0001-1-2	21999-0224	Adj End Cap Oil Black
15	952-0001-1-16	6010	½-20 Jam Nut
16	952-0001-1-3	4511	Plunger, Brass Adj End Cap
17	952-0001-1-32	2107001U	1/8" Hex Head Pipe Plug
18	952-0001-1-18	2550	Reservoir Two Quart Tank
19	952-0001-1-19	M-4555	Hydraulic Hose Assembly Meyer Mfg.
20	952-0001-1-20	7010	Tubing 5/8" ID Clear Polybraid
21	952-0001-1-21	7012	Tubing 5/32" Nylon (Feet)
22	952-0001-1-25	4514	Brush Assembly No 5/32 Insert
23	813-5020-Z		½-20 Plated Nut
24	952-0001-1-17	2016	Bracket Oiler Mtg Pump
25	952-0001-1-14	2511	5/32 Push In Insert (Nycoil)
26	955-3803		BM Pipe Tee 3/8 x 3/8 x 3/8
27	952-0001-1-30		1" Hose Clamp
28	952-0001-1-31	4517	U-Bolt Assembly #13
29	08-0050		5/16" Closed "J" Clip
30	952-0001-2		#80 Brush Holder
31	952-0001-3		Left #120 Auger Chain Brush Holder
32	952-0001-4		Right #120 Auger Chain Brush Holder
33	952-0001-5		Oiler Tank Mount Plate
34	952-0001-6		#80 Center Shaft Chain Brush Holder
35	952-0001-1-36	170-000-6	Oiler Body Pump Assy, Complete

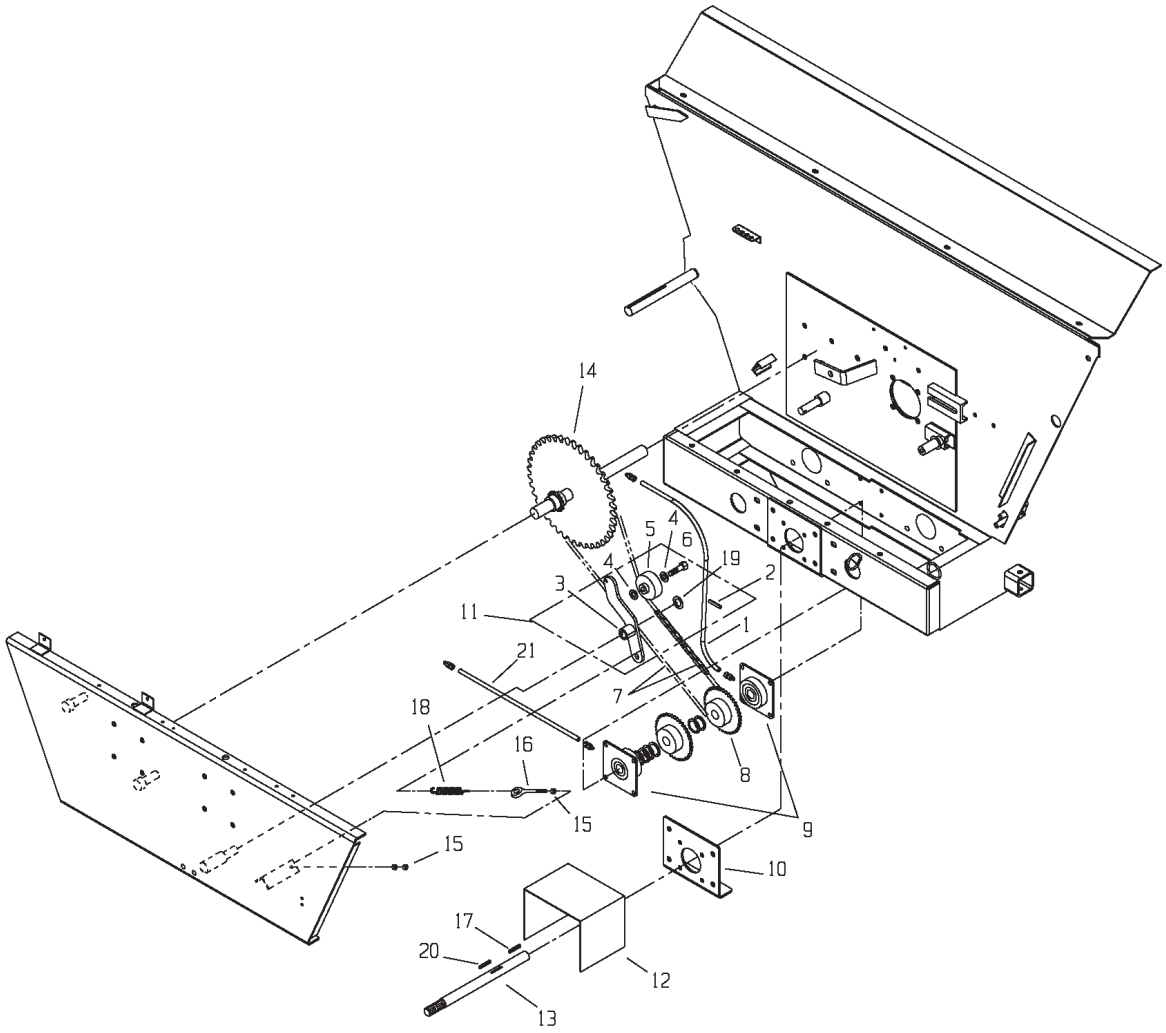
FRONT SHIELD & SIDE SHAFT DRIVE



KEY	PART NO.	DESCRIPTION
1	914-3801	1-3/8" Pillow Block Bearing
2	910-0013	80B18 Sprocket 1-3/8" Bore, 5/16" Keyway
3	935-0002	5/16x5/16x2-1/4" Hardened Key
4	923-3837	SV7500 Front Side Shaft
5	925-3882	Side Shaft Tightener Assy. Complete
6	46-3600-12	Operating Procedure Decal
7	46-3600-14	Maintenance Warning Decal
8	33-0044	Manual Holder W/Cap
9	912-0001	Nylon Roller
10	925-3882-1	Side Shaft Chain Tightener Weldment
11	911-0070	#80-97 Link Roller Chain
	911-0001	#80-98 Link Roller Chain (Gin Trash/Poultry)
12	808-150-300-10	10 Ga. Machine Bushing (As Required)
13	910-0039	80B22T Sprocket 1-1/2" Bore, 3/8" Keyway
	910-0036	80B24 Sprocket 1-1/2" Bore, 3/8" Keyway (Gin Trash)

KEY	PART NO.	DESCRIPTION
14	808-1.5-2.25-10	10 Ga. Machine Bushing (As Required)
15	813-3118-Z	5/16-16 Nut Zinc
16	808-1-1.5-18	18 Ga. Machine Bushing (As Required)
17	933-3804	5/16-18 x 4" Eye Bolt Fully Threaded
18	808-1.25-1.875-14	1-1/4 ID x 1-7/8OD x 14 Ga. Machine Bushing
19	929-0003	Tightener Spring
20	38-0013	5/16 x 1-3/4" Roll Pin
21	955-3703	Gas Assist Spring (Prior to 08 serial #'s)
	925-5006-1	Shield Support Arm (08 Serial #'s & Later)
22	924-3821	Main Front Shield Assy. (Prior to 08 serial #'s)
	924-3827	Main Front Shield Assy. (08 Serial #'s & Later)
22a	32-0018-1	Heavy Duty Latch
23	924-3826	Left Front Shield
24	924-5001	Right Front Shield Welded Assy.
25	925-3762	Gate Indicator Pointer Assy. (Model 7500 Only)

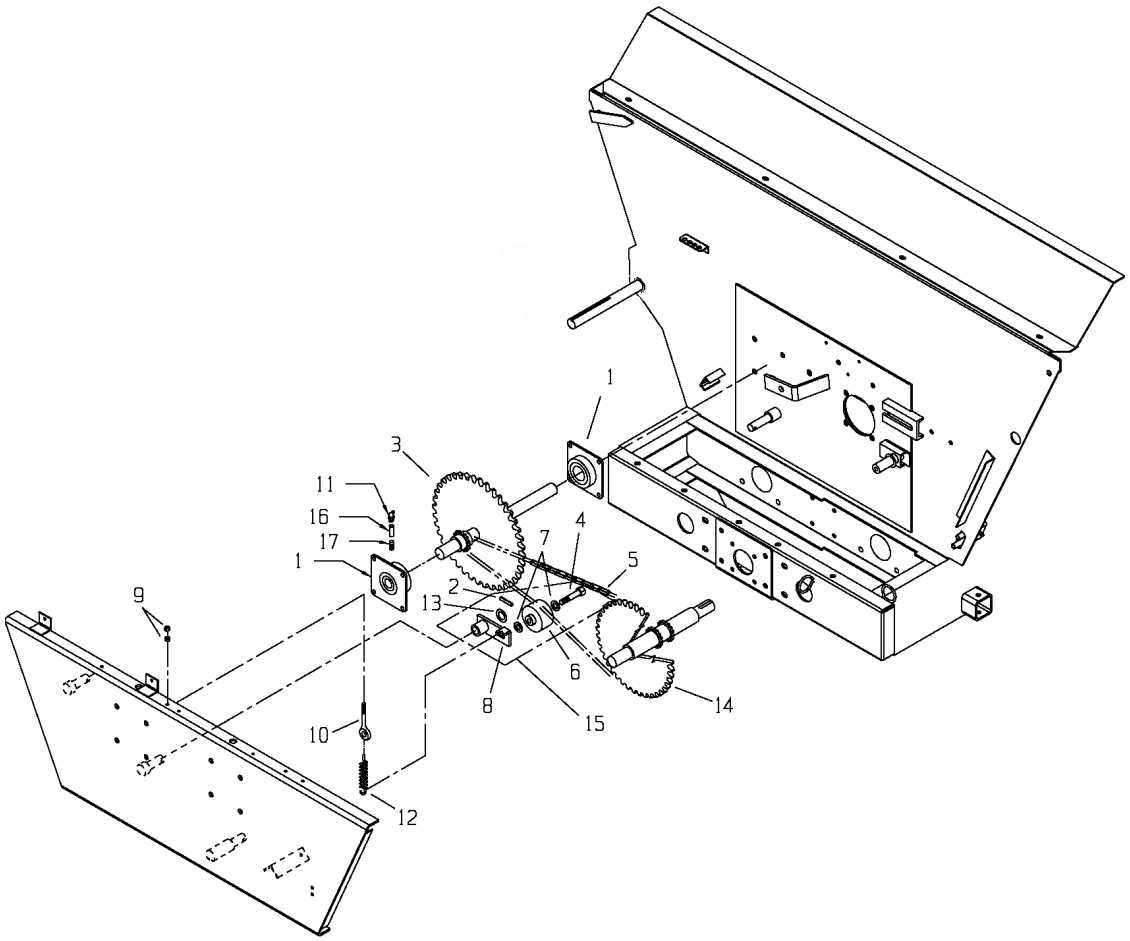
AUGER DRIVE, PRIMARY REDUCTION



KEY	PART NO.	DESCRIPTION
1	933-3628	Copper Tube Grease Line 25" (includes zerk, fittings)
2	38-0013	Roll Pin, 5/16" x 1-3/4"
3	925-3883-1	First Reduction Tightener Assembly Arm Weldment
4	808-.75-1.25-14	Machine Bushing, 14GA
5	912-0012	Tightener Roller 1-3/8" Nylon Complete
5A	912-0012-1	Nylon Roller Only
5B	912-0012-2	Inner Sleeve
6	851-7510-2Z	3/4"-10x2" Bolt, GR5
7	911-0032	Chain #80x87 pitches
	911-0071	#80-94 (84+10) Roller Chain (Gin Trash)
8	910-0039	Sprocket 80B22 1-1/2" Bore, 3/8" Keyway (10 RPM on Augers) STANDARD
	910-0096	Split Sprocket 80B40, 3/8" Keyway, (20 RPM Augers) (Gin Trash Only Ser.#SV087500360 & Later)
	910-0033	Sprocket 80B15 1-1/2" Bore, 3/8" Keyway (7 RPM on Augers)

KEY	PART NO.	DESCRIPTION
8	910-0005	Sprocket 80B12 1-1/2" Bore, 3/8" Keyway (5 RPM on Augers)
	910-0079	Split Sprocket 80B32 1-1/2" Bore, 3/8" Keyway (16 RPM Augers Gin Trash Only)
9	914-3602	Bearing 4 Bolt Flange, 1-1/2" Bore
10	925-3606	Front Bearing Plate-Bent
11	925-3883	Tightener Assembly Complete
12	931-3810	CV/OR PTO Shied Assembly
13	923-3833	CV/OR Input Drive Shaft-Splined 16-3/4" Long
	923-3833-XL	CV/OR Input Drive Shaft-Splined 33-3/4" Long (Extended Hitch Package)
14	910-0063	Welded Sprocket Assy, RH, 80A60x80A12
15	813-3118-Z	5/16" Regular Nut
16	933-3804	5/16"x4" Full Thread Eye Bolt
17	935-0001	3/8x3/8x2" Hardened Key
18	929-0003	Spring
19	808-1-1.5-18	Machine Bushing, 18GA
20	35-0010	3/8"x3/8"x1-1/2" Square Key
21	933-3632	Copper Tube Grease Line 37" (includes zerk fittings)

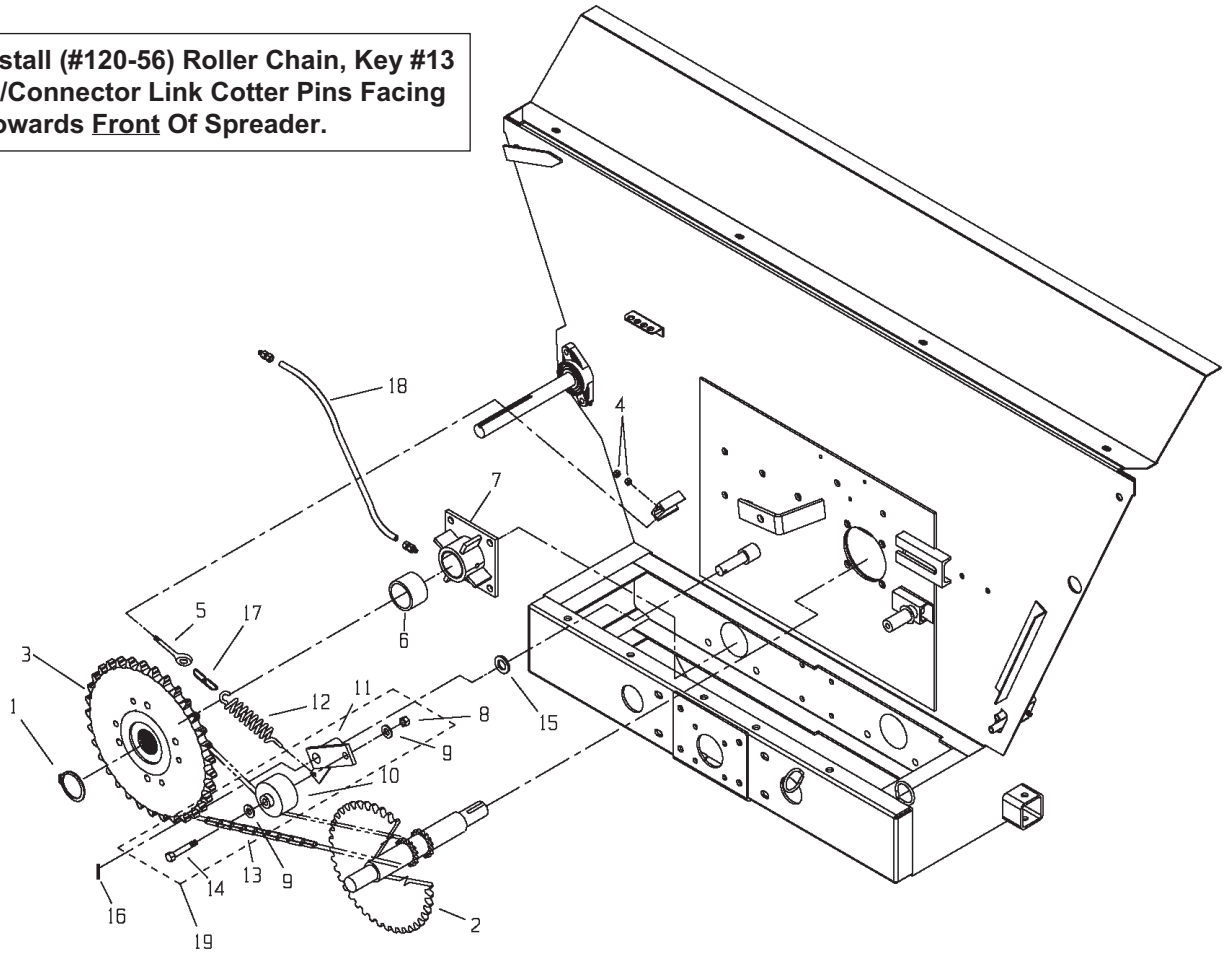
AUGER DRIVE, SECONDARY REDUCTION



KEY	PART NO.	DESCRIPTION
1	14-0031	Bearing, 4 Bolt, 2" Bore
2	38-0013	Roll Pin, 5/16" x 1-3/4"
3	910-0063	Welded Sprocket Assy, RH, 8060x8012
4	851-7510-3Z	3/4"-10x3" Bolt, GR5
5	911-0018	Chain #80x73 pitches
6	912-0013	Tightener Roller 2" Nylon Complete
6A	912-0013-1	Nylon Roller Only
6B	912-0013-2	Inner sleeve
7	808-.75-1.25-14	Machine Bushing, 14GA
8	925-3884-1	Second Reduction Tightener Arm Weldment
9	813-3118-Z	5/16" Regular Nut
10	933-3804	5/16"x4" Full Thread Eye Bolt
11	30-0002	1/8" NPT Zerk
12	929-0003	Spring
13	808-1-1.5-18	Machine Bushing, 18GA
14	910-0064	Welded Sprocket Assy, LH, 80/60 x 120/9
15	925-3884	Tightener Assembly Complete
16	30-0009	1/8" NPT Coupler
17	30-0014	1/8" NPT x 3 ½" Nipple

RH AUGER DRIVE, FINAL REDUCTION

Install (#120-56) Roller Chain, Key #13 W/Connector Link Cotter Pins Facing Towards Front Of Spreader.

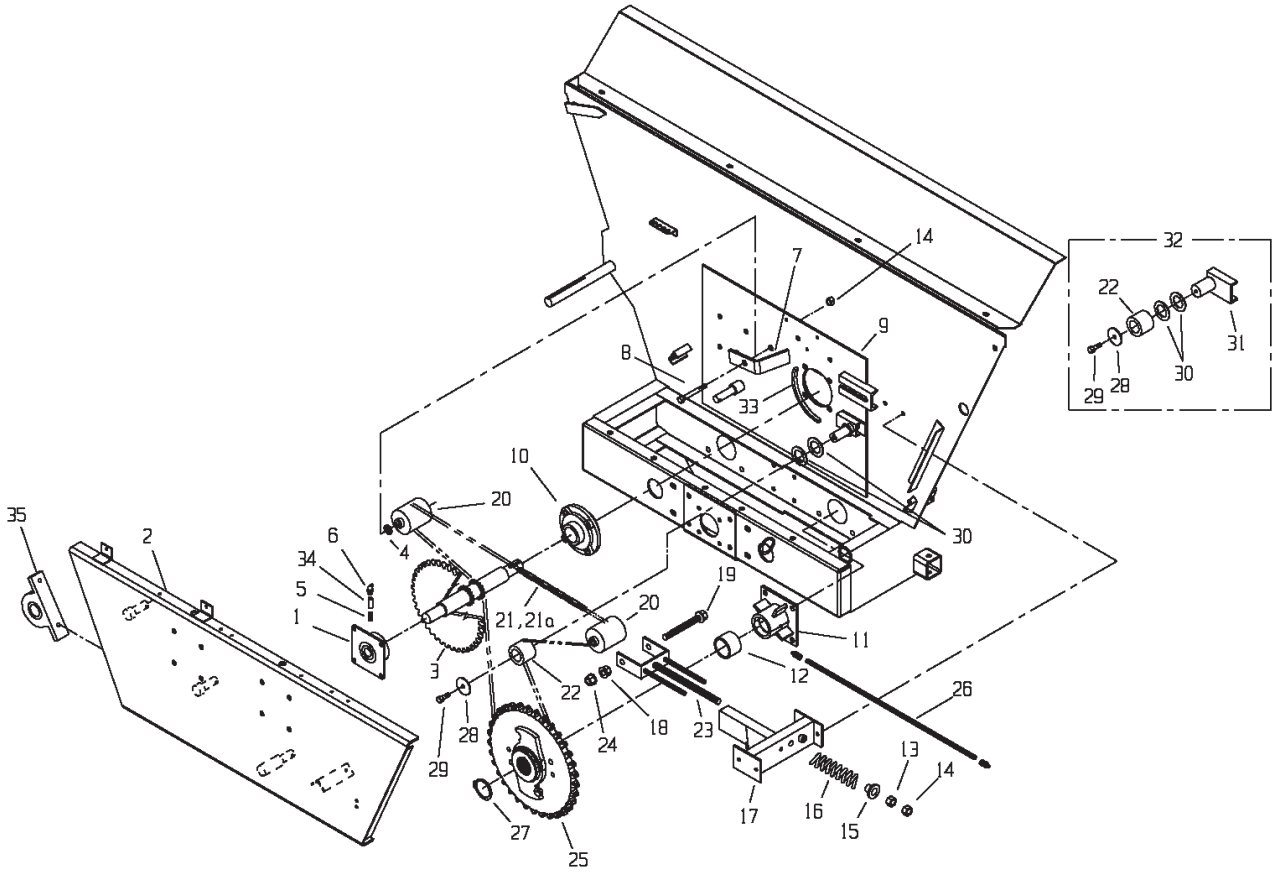


KEY	PART NO.	DESCRIPTION
1	33-0025	2-1/2" Retaining Ring
2	910-0064	Welded Sprocket Assy, LH, 80A60x120A9
3	910-0101	Shear Sprocket Assy. 120B33 (Standard 7500, Optional 7400)
	831-5020-1.75	½-20 x 1-3/4" Allen Head Cap Screw Grade 8 (Standard)
	884-5020	½-20 Top Locknut Grade 8 (Standard)
	831-5618-1.75	9/16-18 x 1-3/4" Allen Head Cap Screw Grade 8 (Optional)
	884-5618	9/16-18 Top Locknut Grade 8 (Optional)
	910-0028	120B33 Spline Sprocket (Standard 7400)
4	813-3118-Z	5/16" Regular Nut
5	933-3804	5/16"x4" Full Thread Eye Bolt
6	913-3801-1	Auger Bushing Only 2-1/2" ID x 2-3/4" OD x 2 3/4" Long

KEY	PART NO.	DESCRIPTION
7	925-3834	Front Auger Bearing Plate Assy. With Bushing, RH
8	933-3621	3/4" Jam Nut
9	808-.75-1.25-14	Machine Bushing, 14GA
10	912-0013	Tightener Roller, 2" Nylon Complete
10A	912-0013-1	Nylon Roller Only
10B	912-0013-2	Inner Sleeve
11	925-3848-7	Tightener Arm Welded Assy
12	929-3601	Spring
13	911-0023	Chain #120x56 pitches
14	851-7510-3.5Z	3/4"-10x3 ½" Bolt, GR5
15	805-0010-Z	1" Flat Washer
16	38-0013	5/16"x1-3/4" Roll Pin
17	925-3822-6	2 Links 3/16" Proof Coil Chain
18	933-3619	Copper Tube Grease Line 28" (includes zerk, fittings)
19	925-3848	Tightener Arm Assembly Complete

LH AUGER DRIVE, FINAL REDUCTION

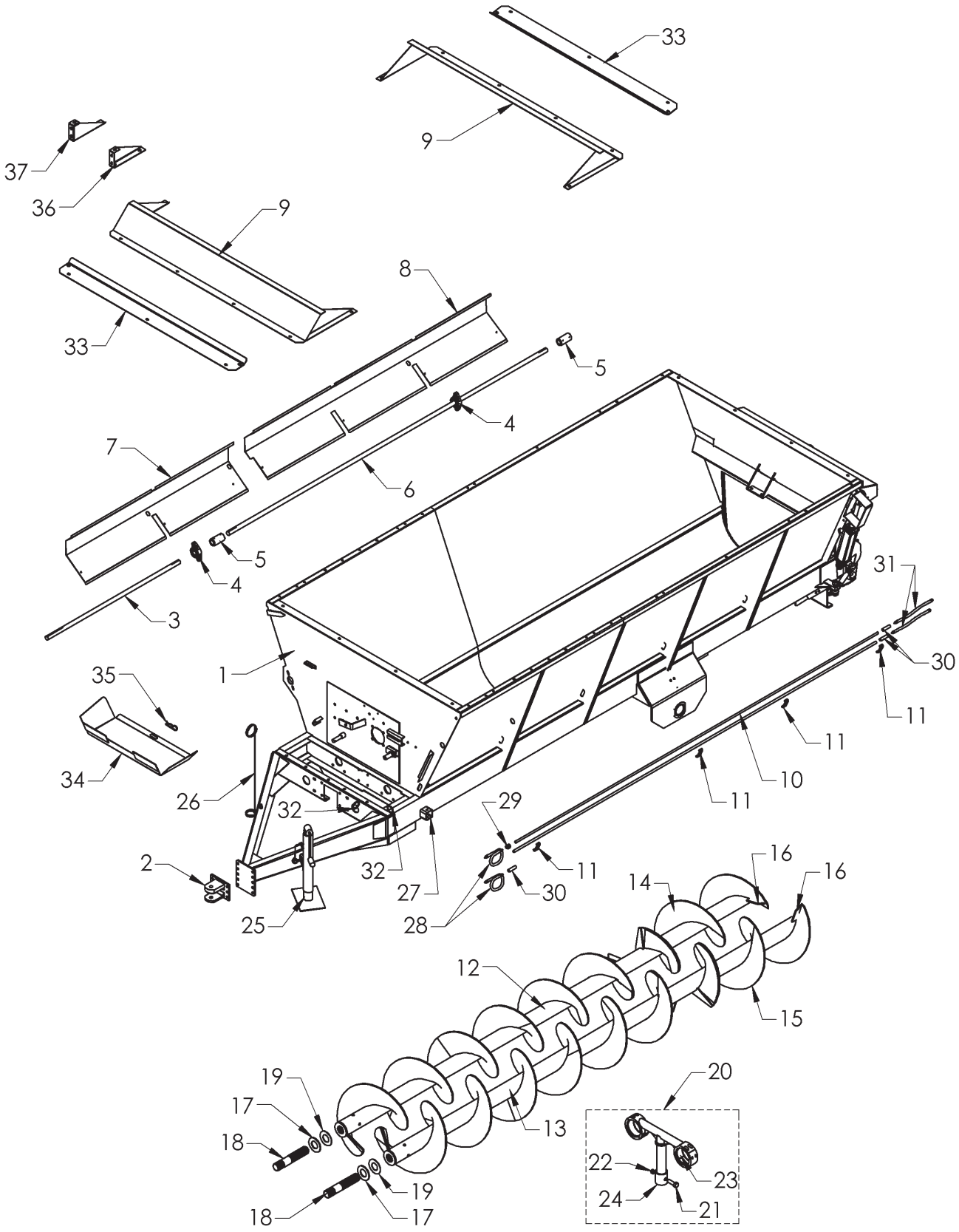
Install (#120-72) Roller Chain, Key #21 W/Connector Link Cotter Pins Facing Towards Rear Of Spreader.



LH AUGER DRIVE, FINAL REDUCTION

KEY	PART NO.	DESCRIPTION
1	14-0031	Bearing, 4 Bolt Flange, 2" Bore
2	925-3873	Front Bearing Mounting Plate
3	910-0064	Welded Sprocket Assy, LH, 80A60x120A9
4	808-.75-1.25-14	Machine Bushing, 14GA
5	30-0014	1/8" NPT x 3 ½" Nipple
6	30-0002	1/8" NPT Zerk
7	925-3846-2	4" Snugulator Support Arm Assy
8	851-7510-6Z	3/4"-10x6" Bolt, GR5
9	925-3870-1	Bearing Back Plate
10	914-3807A	Bearing, 4-Bolt, 2-1/2" Bore
11	925-3833	Front Auger Bearing Plate Assy.. with Bushing, LH
12	913-3801-1	Auger Bushing Only 2-1/2" IDx2-3/4" ODx2 3/4" Long
13	813-7510-Z	3/4" Nut, Regular
14	933-3621	3/4" Jam Nut
15	925-3841	Spring Tightener Guide
16	29-0009	Spring, Compression
17	925-3885-1	Main Tightener Channel
18	925-3843	Inner Slide Nut Assembly
19	925-3839	3/4"x8 ½" Bolt Assy
20	912-0014	Tightener Roller, 4" Nylon Complete
20A	912-0014-1	Nylon Roller Only
20B	912-0014-2	Inner Sleeve
21	911-0024	Chain #120x72 pitches
21A	911-0026	#120 Connector Link Only
22	912-0001	Nylon Roller
23	925-3838	Tightener Weldment Yoke
24	925-3842	Outer Slide Nut Assembly
25	910-0101	Shear Sprocket Assy. 120B33 (Standard 7500, Optional 7400)
	831-5020-1.75	½-20 x 1-3/4" Allen Head Cap Screw Grade 8 (Standard)
	884-5020	½-20 Top Locknut Grade 8 (Standard)
	831-5618-1.75	9/16-18 x 1-3/4" Allen Head Cap Screw Grade 8 (Optional)
	884-5618	9/16-18 Top Locknut Grade 8 (Optional)
	910-0028	120B33 Spline Sprocket (Standard 7400)
26	933-3637	Copper Tube Grease Line 51" (includes zerk, fittings)
27	33-0025	2-1/2" Retaining Ring
28	925-3807-3	Nylon Roller Retaining Washer
29	851-5013-1.25Z	½"-13x1.25" Bolt, GR5
30	808-1.25-1.875-10	Machine Bushing, 10GA
31	925-3816-2	Chain Hold Down Bracket
32	925-3816	Roller Assembly Complete
33	925-3869	Support For Bearing
34	30-0009	1/8" NPT Coupler
35	914-3801	1-3/8" Pillow Block Bearing

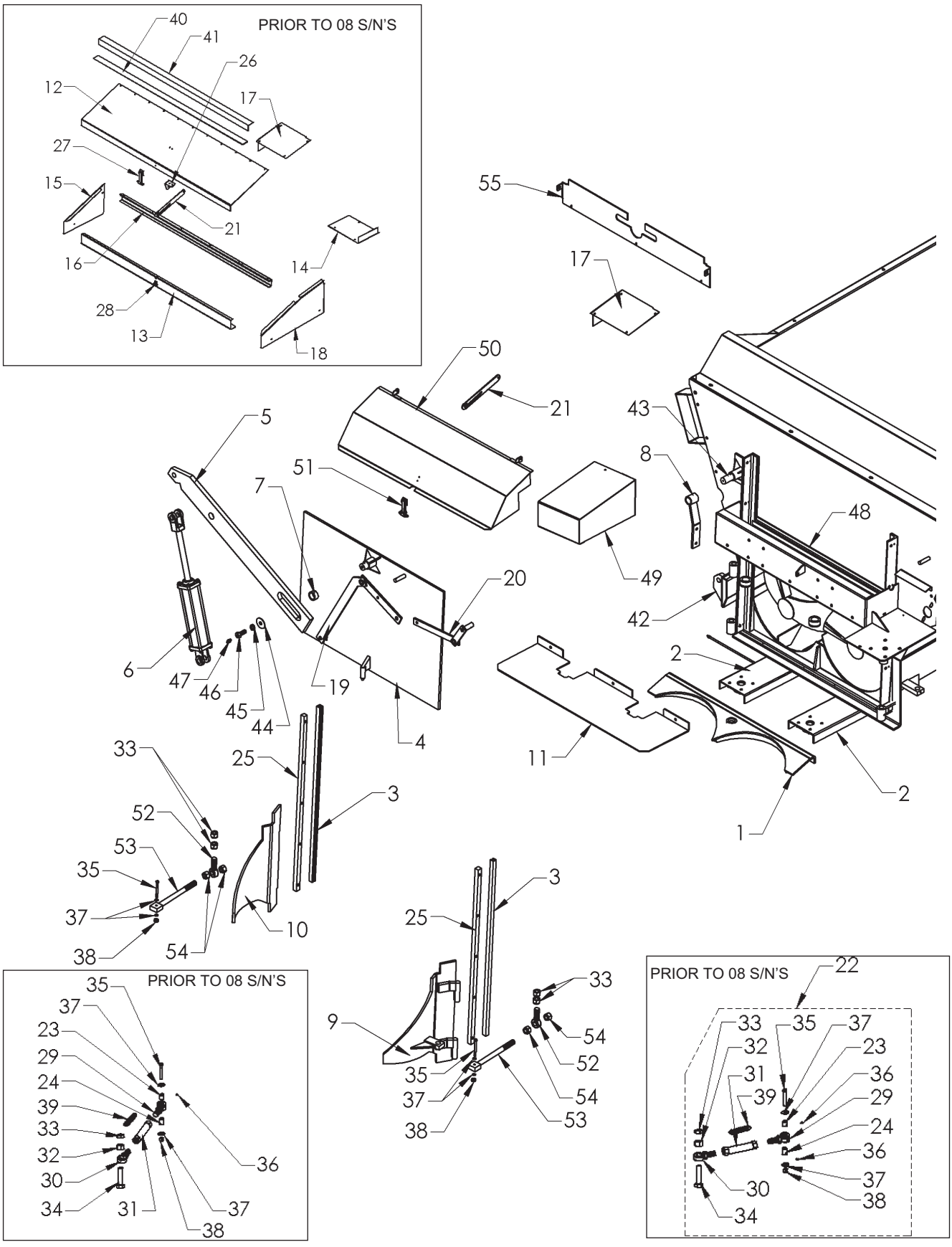
BOX, AUGERS & SIDE SHAFT



BOX, AUGERS & SIDE SHAFT

KEY	PART NO.	DESCRIPTION
1	901-3903	Main Welded Body, 7500
	901-3915	Main Welded Body, 7400
2	901-3801-82	Adj. Hitch Plate, 1” Pin
3	923-3837	SV7000 Front Side Shaft
4	14-0049	1-3/8" 2-Bolt Bearing
5	937-0002	Shaft Coupler 1-3/8"
6	923-3827	Rear Side Shaft 141"
7	924-5000-F	SV74/7500 Front Side Shield
8	924-5000-R	SV74/7500 Rear Side Shield
9	901-3909	SV7500 Splash Guard Welded Assy.
	901-3934	SV7400 Splash Gaurd Welded Assy
10	955-3806	Side Hydraulic Pipe 74/7500
11	933-3602	Hydraulic Pipe Bracket Clamp
11	810-3816-Z	3/8" Spinlock Nut
12	926-3823	SV75/7400 RH T-Post Auger Assy
13	926-3822	SV75/7400 LH T-Post Auger Assy
14	926-3802-2	3/8" Sectional Flighting x 20" RH
15	926-3801-2	3/8" Sectional Flighting x 20" LH
16	926-3801-8	Auger Flighting Support Gusset
17	933-3802	Front Auger Washer - Steel (Prior to Serial #SV097500211)
18	926-3801-5	Splined Shaft
	33-0025	2-1/2" Retaining Ring
19	933-3801	Bronze Washer (Prior to Serial #SV097500211)
	933-3801-NSM-09	Nylon Thrust Bearing 2-1/2x5x13/16" (Serial #SV097500211 & Later)
20	925-5000	SV7500 T-Post Hold-down Assy W/Nylon-Wide
	901-3893	SV7400 T-Post Hold-down Assy W/Nylon-Narrow
21	881-1008-5Z	1-08x5" M.B.. Grade 8
22	884-1008	1-08 Top Locknut Grade 8
23	925-3771-9	7500 Nylon Bearing (2 per Auger, 4-per Spreader)
	901-3840-1	7400 Nylon Bearing (2 per Auger, 4-per Spreader)
24	925-3771-4	Holdown Collar
25	956-3803	Side Wind Jack
26	929-3801	Hose Holder Spring
27	956-3803-1	Square Jack Mount Tube
	955-3611	Hydraulic Hose 108"
	955-3701	Hydraulic Hose 132" (Extended Hitch Package)
28a	55-0113	Male Hydraulic Tip
29	955-3803	3/8" Black T-Fitting
30	955-3609	Coupler 3/8"NPT
31	955-3833	3/8"x27" Hyd. Hose w/Swivel
32	901-3801-40	Scraper Holder Ring
33	901-3918-1	7400 Flat Splash Gaurd
34	924-5012-1	Lower Sprocket Shield w/ Hinges
35	823-.25-5Z	1/4 x 5” Hair Pin
36	901-3916	7400 L. Splash Gaurd Gusset
37	901-3917	7400 R. Splash Gaurd Gusset

UNLOADING GATE & TRIP PAN DOORS

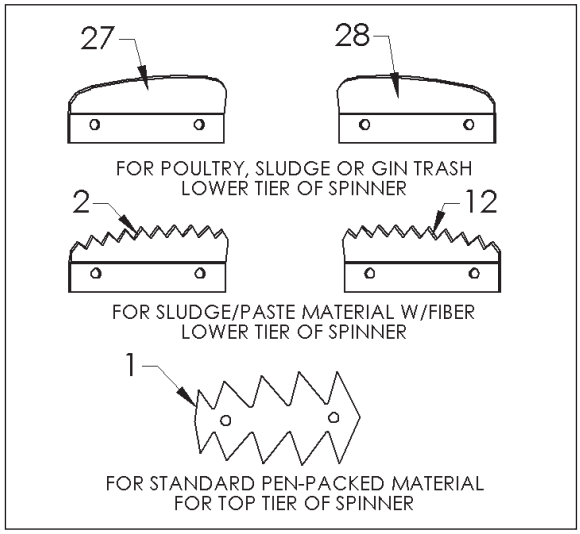


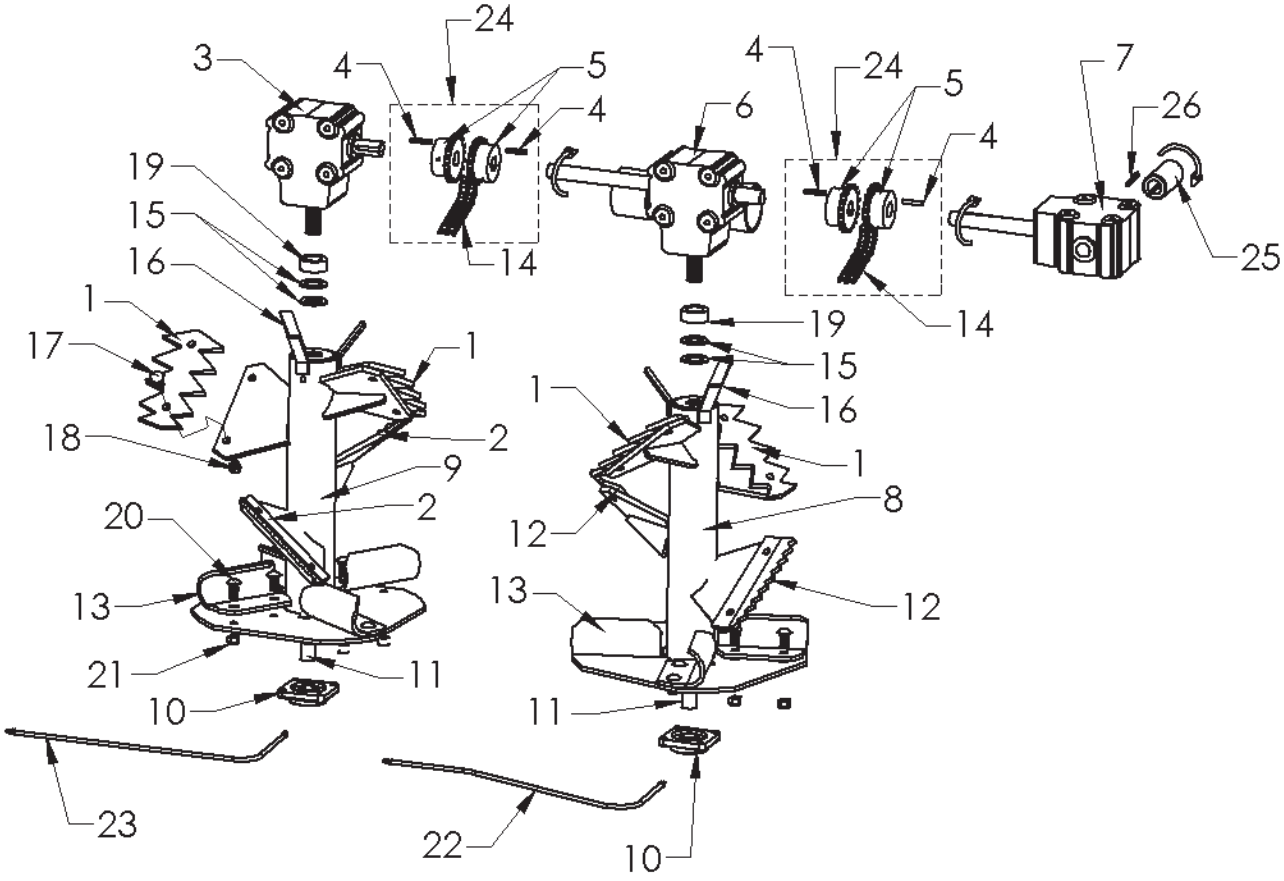
UNLOADING GATE & TRIP PAN DOORS

KEY	PART NO.	DESCRIPTION	QTY
1	925-5005	Spinner Deflector Welded Assy.	1
2	901-3903-34	Spinner Mount Channel	2
3	949-3753	Poly Gate Slides	2
4	901-3908	Back Gate Welded Assy.	1
5	901-3912	Gate Lifting Arm 7500 Only	1
	901-3929	Gate Lifting Arm W/tube 7400 Only	1
6	955-3804-1	3X12" Hydraulic Cylinder	1
7	913-3808	1.504IDx2.000ODx1" Bronze Bushing	1
8	925-5001	Pivot Shaft Support Assy.	1
9	925-13901	R. Material Guide Assy. (Prior to 08 serial #'s)	1
	925-13905	R. Material Guide Assy. (08 serial #'s & later)	1
10	925-13900	L. Material Guide Assy. (Prior to 08 serial #'s)	1
	925-13904	L. Material Guide Assy. (08 serial #'s & later)	1
11	901-3845-1	Rear Shield Mount Plate	1
12	924-5003	Stainless Steel Rear Shield (Prior to 08 serial #'s)	1
13	924-5004	Rear Shield Formed Channel (Prior to 08 serial #'s)	1
14	924-5005	Right Lower Shield (Prior to 08 serial #'s)	1
15	924-5006	Left Shield End Cap (Prior to 08 serial #'s)	1
16	924-5007	Belting Hinge Mount Channel (Prior to 08 serial #'s)	1
17	924-5009	Right Rear Top Shield (Prior to 08 serial #'s)	1
18	924-5008	Right Shield End Cap (Prior to 08 serial #'s)	1
19	925-5003	Gate Indicator Arm Linkage Assy. (7500 Model Only)	1
20	925-5002	Indicator Arm Linkage Assy. (7500 Model Only)	1
21	925-5006-1	Rear Shield Support Arm	1
22	925-13803-KIT	Material Guide Linkage Arm (One Side Only)(Prior to 08 serial #'s)	2
23	925-13804-1	Shear Bolt Sleeve 1" Long (Prior to 08 serial #'s)	2
24	925-13903	Shear Bolt Sleeve 1-3/8" Long (Prior to 08 serial #'s)	2
25	901-5000-1	Rear Gate Slide Guide	2
26	925-5006-2	Support Arm Upper Bracket	1
27	32-0032-2	3-1/2" Rubber T-Latch	1
28	32-0032-3	Sheared Lower T-Catch	1
29	925-13902	RH Tie Rod Eyelet Welded Assy. W/Jam Nut (Prior to 08 serial #'s)	2
30	75-0304	LH Tie Rod Eyelet W/Jam Nut (Prior to 08 serial #'s)	2
31	925-13803	Material Guide Linkage Arm Assy. (Prior to 08 serial #'s)	2
32	884-1014-Z	Top Locknut 1-14	2
33	75-0305-2	Jam Nut 1-14	2
34	75-0413-1A	1-14x4" Grade 5 Machine Bolt (Prior to 08 serial #'s)	2
35	851-5013-3.5Z	1/2-13x3-1/2" Grade 5 Machine Bolt (Prior to 08 serial #'s)	2
36	827-2528-.38	1/4-28X3/8" Set Screw (Prior to 08 serial #'s)	4
37	805-0050-Z	1/2" Flat Washer (Prior to 08 serial #'s)	12
38	815-5013-Z	1/2-13 Nylon Insert Locknut (Prior to 08 serial #'s)	6
39	929-0003	Extension Spring (Prior to 08 serial #'s)	2
40	49-0099	Belting Hinge (Prior to 08 serial #'s)	1
41	924-5010-1	Stainless Steel Belting Hinge Top Strip (Prior to 08 serial #'s)	1
42	901-3913-OS	Lower Cylinder Pivot plate Welded Assy. (Prior to 08 serial #'s)	1
	901-3913	Lower Cylinder Pivot plate Welded Assy. (08 Serial #'s & Later)	1
43	901-3914	Gate Lift Arm Pivot Shaft Assy.	1
44	805-0125	1-1/4" Flat Washer	1
45	822-0050-Z	1/2" Split Lock washer	1
46	33-0030-RH	1/2x3/4 Drilled Grease Bolt	1
47	30-0001	1/4-28 Straight Grease Fitting	1
48	949-3704	Poly Top Gate Seal	1
49	924-5002	Right Rear Corner Shield (08 serial #'s & later)	1
50	924-5011	Rear Main Shield Assy. (08 Serial #'s & Later)	1
51	32-0032	3-1/2" Rubber T-Latch w/Catch	1
52	75-0305-1	Right Hand Tie Rod Eye	2
53	925-5016	Shear Arm Welded Assy.	2
54	826-1008	1-08 Jam Nut	4
55	925-3915	Optional Rear Channel to Body Seal	1

SPINNERS & GEARBOX SHAFT DRIVE

PADDLE OPTIONS

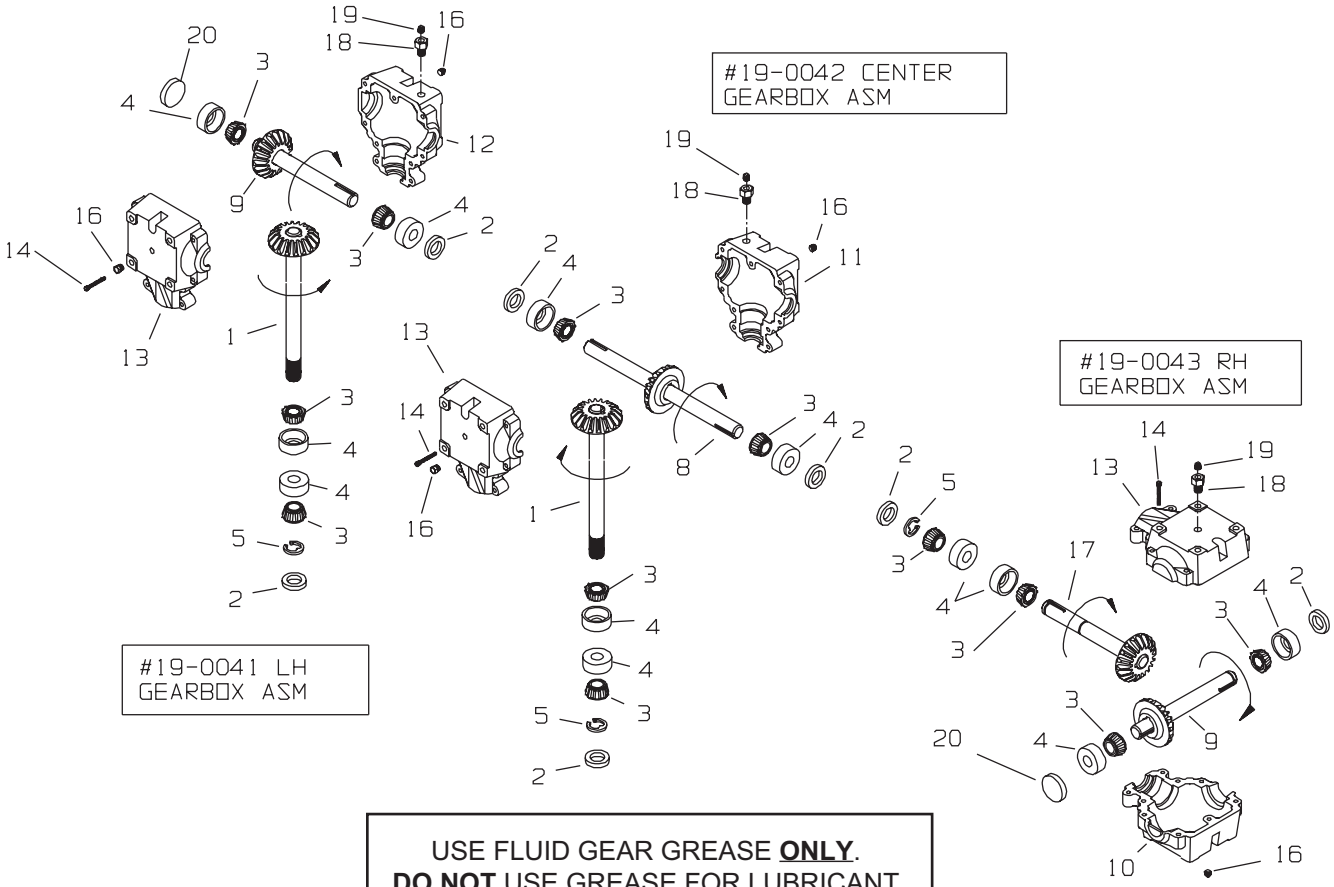




SPINNERS & GEARBOX SHAFT DRIVE

KEY	PART NO.	DESCRIPTION
1	901-3753-10	Spinner Paddle, 2 Per Spinner
2	901-3753-19	8865/7000 LH Aggressive Spinner Paddle
3	19-0041	Gearbox, Left, Cast
4	935-0002	5/16x5/16x2-1/4" Hardened Key
5	937-0014-1	Shaft Coupler, 1-3/8” Bore (4 Required)
6	19-0042	Gearbox, Center w/Thru Shaft, Cast
7	19-0043	Gearbox, Right, Cast
8	901-3906	Right Spinner Assy W/Shaft, Less Paddles
9	901-3907	Left Spinner Assy W/Shaft, Less Paddles
10	914-3604	Bearing 4 Bolt Flange 1-3/8” Bore-Ductile
11	901-3906-6	SV7000 Spinner Shaft
12	901-3753-20	8865/7000 RH Aggressive Spinner Paddle
13	901-3907-1	SV7000 Spinner Sand Paddle, (Reversible)
14	937-0009-2	Coupler Chain
	937-0009-3	Connecting Link
15	808-1.38-2.5-14	Machine Bushing, 14GA
	808-1.38-2.5-18	Machine Bushing, 18GA
	808-1.38-2.5-10	Machine Bushing, 10GA
16	901-3855-4	Splined Hub
17	851-6311-2Z	5/8”-11 x 2” Bolt, GR5
18	815-6311-Z	5/8”-11 Nylon Insert Lock Nut
19	921-0001	1-3/8” One Piece Set Collar
20	850-6311-1.5Z	5/8x11 Grade 5 Carriage Bolt
21	815-6311-Z	5/8-11 Nylon Insert Locknut
22	933-3625	Copper Tube Grease Line 57” (Includes zerk, fittings)
23	933-3626	Copper Tube Grease Line 31” (Includes zerk, fittings)
24	937-0014	1 3/8” Coupler Assy. Kit w/Chain & Keys
25	937-0002	Shaft Coupler, 1-3/8” Bore with 5/16” Key w/4 Set Screws
26	35-0017	5/16x5/16x4-½” Key
27	901-3754-2	LH Poultry/Sludge/Gin Trash Paddle
28	901-3753-13	RH Poultry/Sludge/Gin Trash Paddle

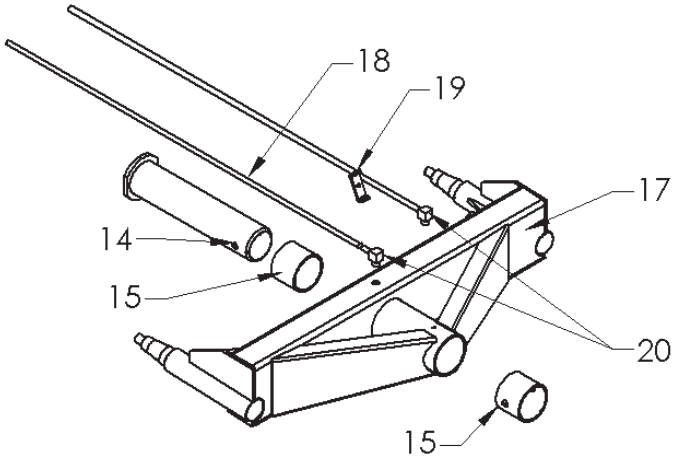
SPINNER GEAR REDUCERS



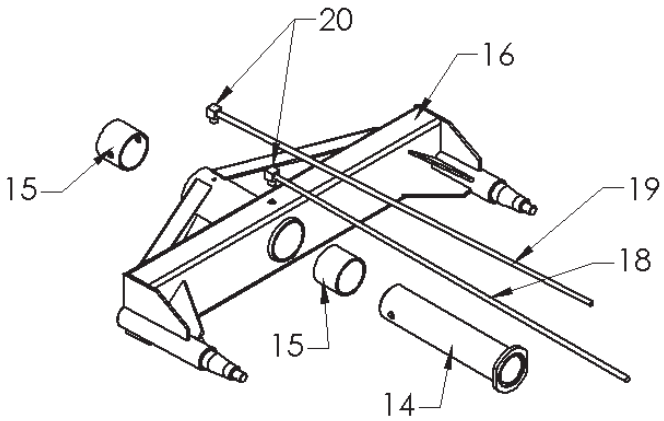
USE FLUID GEAR GREASE **ONLY**.
DO NOT USE GREASE FOR LUBRICANT.

KEY	PART NO.	DESCRIPTION
1	19-0022-1-PF	Splined Pinion Output Shaft/Gear Assy
2	19-0018-2	Seal
3	19-0018-3	Bearing Cone
4	19-0016-3	Bearing Cup
5	19-0018-4	Retaining Ring
8	19-0022-2-PF	Center Gearbox Cross Thru Shaft/Gear Assy
9	19-0018-7-PF	RH/LH Gearbox Cross Input Shaft/Gear Assy
10	19-0043-1	Corner Gearbox Casting (tapped holes) Cast
11	19-0042-1	Center Gearbox Casting (tapped holes) Cast
12	19-0041-1	LH Gearbox Casting (tapped holes) Cast
13	19-0041-2	RH/LH/Center Gearbox Casting (thru holes) Cast
14	19-0024-20	Bolt 1 ½" SHCS
16	19-0016-5	Plug ½"NPT Plain
17	19-0023-1-PF	RH Gearbox Pinion Output Shaft/Gear Assy
18	19-0023-2	3/8" Drilled Fill Plug Bolt
19	55-0107	Breather Plug
20	19-0041-3	Gearbox End Cap

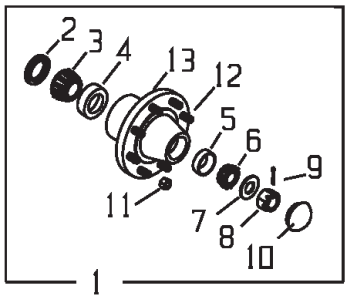
HUBS, AXLE & TANDEM AXLE ASSEMBLY



REAR

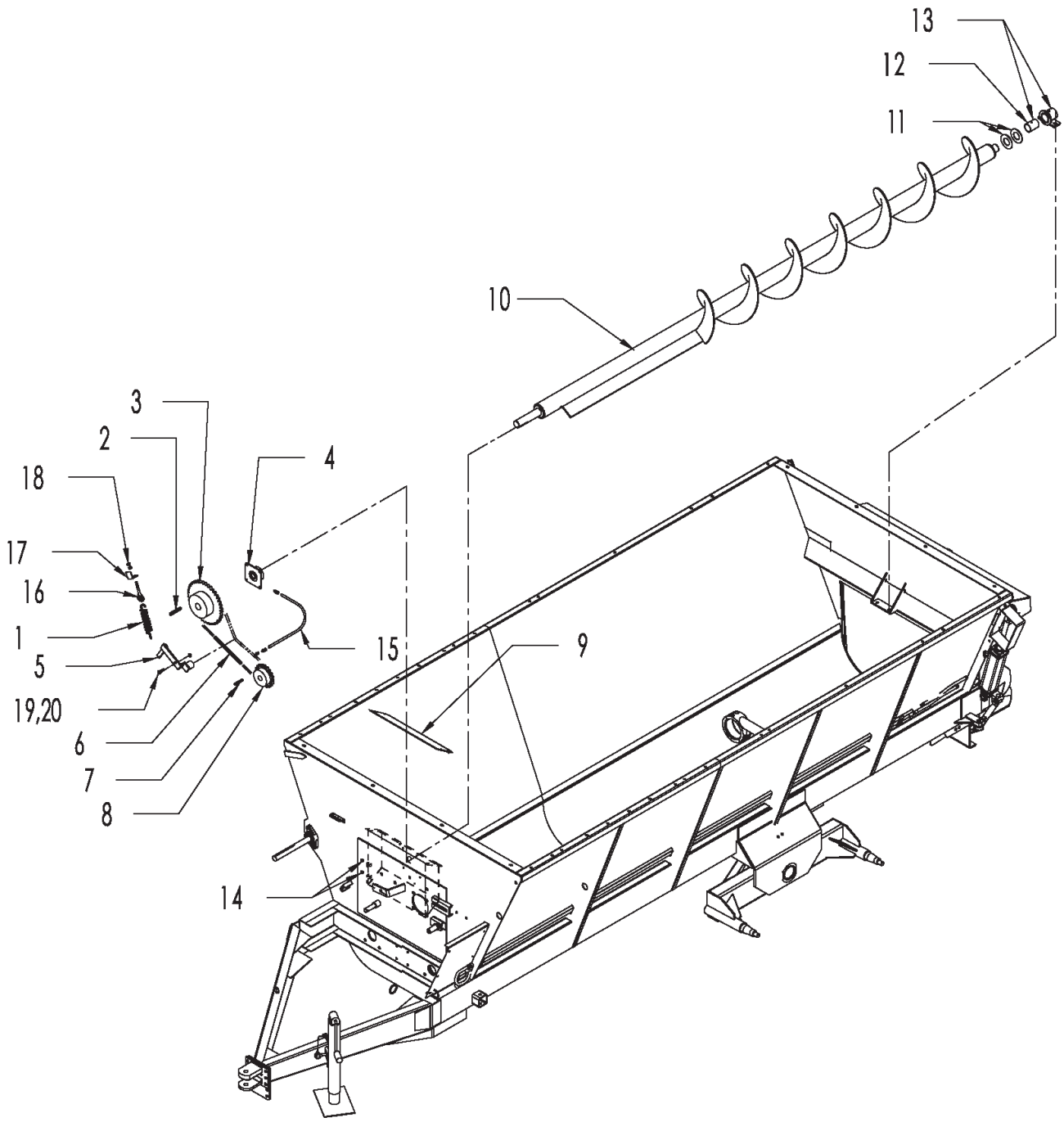


FRONT



KEY	PART NO.		DESCRIPTION
	7500	**7400**	
1	75-0207	75-0205	Hub Assembly Complete
2	75-0207-2	75-0205-2	Seal
3	75-0207-3	75-0205-3	Bearing Cone
4	75-0207-4	75-0205-4	Bearing Cup
5	75-0202-4	75-0202-4	Bearing Cup
6	75-0202-3	75-0202-3	Bearing Cone
7	75-0205-7	75-0205-7	Washer
8	75-0205-8	75-0205-8	Nut
9	75-0205-9	75-0205-9	Cotter Pin
10	75-0205-10	75-0205-10	Hub Cap
11	75-0205-11	75-0205-11	Lug Nut
12	75-0207-12	75-0205-12	Stud Bolt
13	75-0207-1	75-0205-1	Hub Only w/Races & Studs
14	901-3905	901-3905	Axle Pivot Sleeve Welded Assy.
15	901-3904-1-3	901-3904-1-3	Nylon Pivot Sleeve
16	901-3904	901-3921	Left O-Beam Welded Assy Less Hubs
	901-3927		Left O-Beam Welded Assy Less Hubs-(Gin Trash)
17	901-3911	901-3922	Right O-Beam Welded Assy Less Hubs
	901-3926		Right O-Beam Welded Assy Less Hubs-(Gin Trash)
18	955-3761	955-3761	3/16x10" Grease Hose
19	955-3762	955-3762	3/16x16" Grease Hose
20	30-0020	30-0020	1/8” NPT Street L

THIRD AUGER



THIRD AUGER

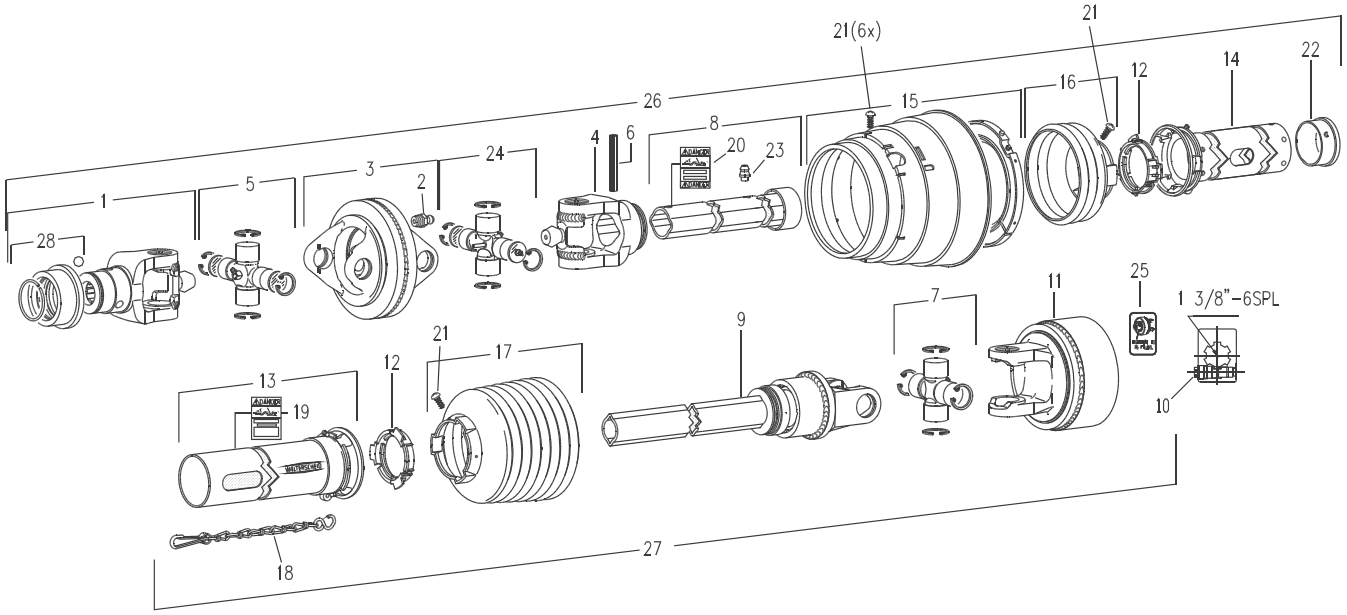
KEY	PART NO.	DESCRIPTION
1	929-3601	Extension Spring
2	35-0008	½"x1/2"x2" Square Key
3	910-0050	80B26 Sprocket 2" Bore, ½" Keyway
4	14-0031	Bearing, 4-Bolt Flange, 2" B
5	925-3866	Chain Tightener Bracket Wldmt.
6	911-0033	#80-36 Roller Chain w/Connector.
7	35-0010	3/8"x3/8"x1-1/2 Square Key
8	910-0005	80B12, 1-1/2"B, 3/8" Keyway
9	925-3861	Oil Bath Cover
10	926-5000	74/7500 3rd Auger Welded Assembly
11	933-3606	Bronze Washer
12	913-3805	Bronze Bushing
13	925-3865	3rd Auger Rear Shaft Support Sleeve w/Bushing
14	955-3809	3/8" Square Head Steel Pipe Plug
15	933-3627	Copper Tube Grease Line 14-1/2" (includes zerk, fittings)
16	933-3804	Eyebolt, Full Thread
17	925-3825	Tightener Angle Clip
18	813-3118-Z	5/16-18 Nut Zinc
19	851-6311-2Z	5/8"-11x2" Gr. 5 Machine Bolt
20	814-6311-Z	5/8"-11 Center Lock Nut

918-0212 PTO DRIVE SHAFT ASSEMBLY

(PRIOR TO SERIAL #SV087500201)

918-0312 PTO DRIVE SHAFT ASSEMBLY

(SERIAL #SV087500201 & LATER)
540 RPM 1-3/8 – 6 SPLINE YOKE
WWE2480 (80 DEGREE C.V.)

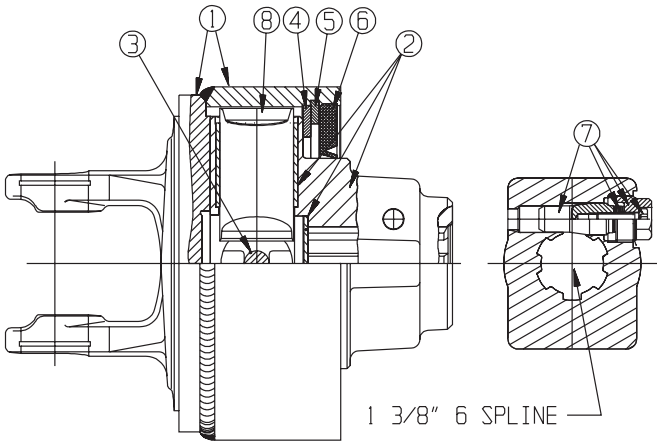


KEY	MEYER PART NO.	DESCRIPTION
1	918-0212-1-1	Yoke 1-3/8"-6 Splined Assembly
2	918-0208-1-2	Grease Zerk in item 3
3	918-0208-1-3	Double Yoke
4	918-0208-1-4	Inboard Yoke
5	918-0208-1-5	Cross and Bearing Kit
6	918-0208-1-6	Spring Pin 10 x 80
7	918-0208-2-1	Cross and Bearing Kit
8	918-0208-1-14	Profile and Sleeve Wa
9	918-0208-2-2	Overrunning Clutch & 1bGA Profile Assy.
10	918-0208-2-3-1	Clamping Cone Bolt (Included in Item 11)
11	918-0212-2-1	Cut Out Clutch 1900NM (Prior to Serial #SV087500201)
	918-0312-1-1	Cut Out Clutch 1900NM (Serial #SV087500201 & Later)
12	918-0208-2-4	Bearing Ring SC25
13	918-0208-2-5	Outer Shield Tube OVL
14	918-0208-1-7	Inner shield Tube Round
15	918-0208-1-8	CV Cone & Bearing Assy.
16	918-0208-1-9	Shield Cone 3 Rib

KEY	MEYER PART NO.	DESCRIPTION
17	918-0208-2-6	Shield Cone 8 Rib
18	918-0208-2-7	Safety Chain
19	918-0208-2-8	Decal Out-In Item 13
20	918-0208-1-10	Decal In-In Item 8
21	918-0208-2-9	Screw-In Item 15,16 & 17
22	918-0208-1-11	Support Bearing
23	918-0208-1-12	Zerk-In Item 8
24	918-0208-1-13	Cross and Bearing Kit
25	918-0208-2-10	Decal-K64
26	918-0212-1	1-3/8-6 Spline Tractor Half Assembly
27	918-0212-2	540 RPM Implement Half Assy (Prior to Serial # SV087500201)
	918-0312-1	540 RPM Implement Half Assy (Serial # SV087500201 & Later)
28	918-0208-1-1-1	AS-Lock Kit For Item 1 (Inc. Ring, Collar & Balls)

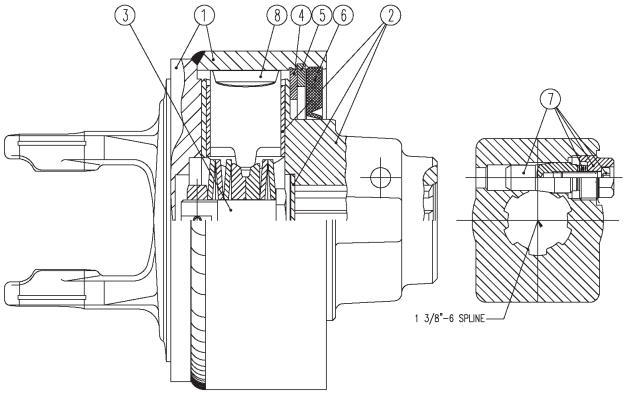
See Next Page For Cut Out Clutch

(PRIOR TO SERIAL #SV087500201)
540 RPM 1-3/8 – 6 SPLINE YOKE
WWE2480 (80 DEGREE C.V.)



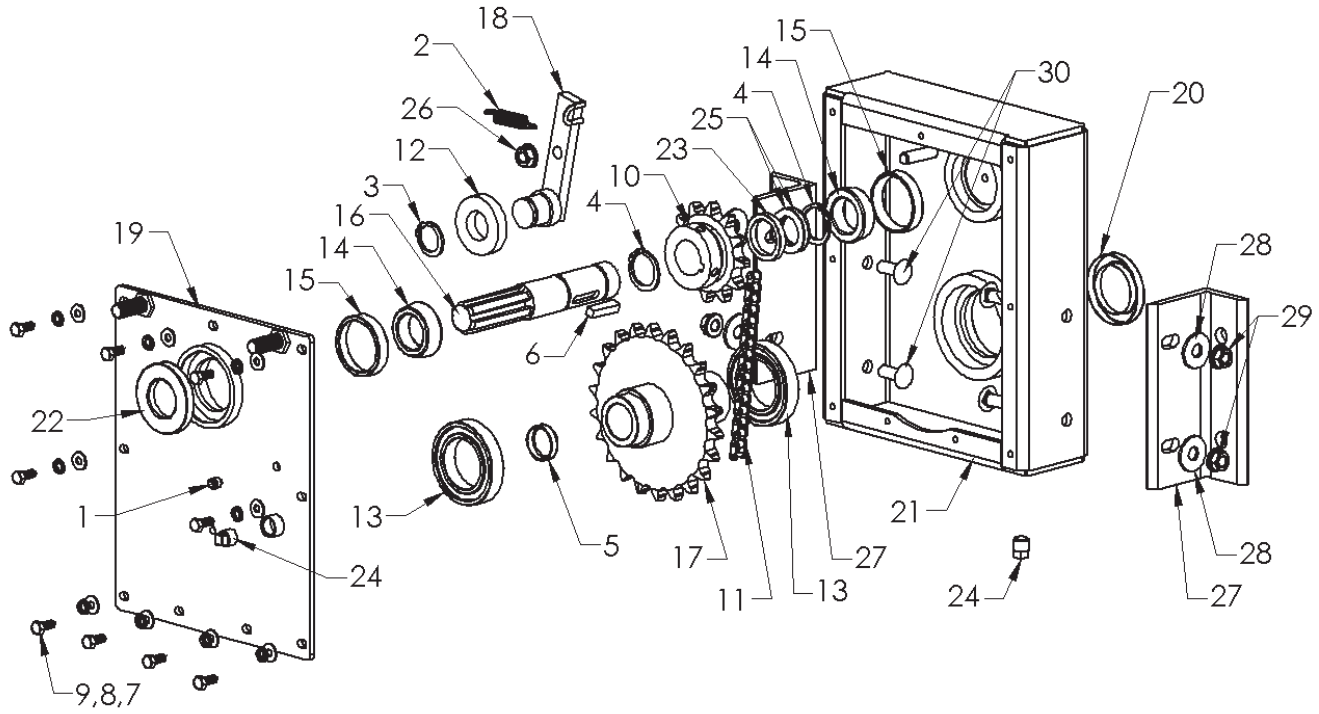
KEY	MEYER PART NO.	DESCRIPTION
1	918-0208-2-3-2	Housing
2	918-0208-2-3-3	Hub
3	918-0208-2-3-4	Spring Pack 1900NM
4	918-0208-2-3-5	Washer
5	918-0208-2-3-6	Retaining Ring
6	918-0208-2-3-7	Sealing Ring
7	918-0208-2-3-1	Clamp Cone Assembly
8	918-0208-2-3-8	Cam
NS	918-0208-2-3-9	Bushing-In Item #2
NS	918-0208-2-3-11	Shim Kit

(SERIAL #SV087500201 & LATER)
540 RPM 1-3/8 – 6 SPLINE YOKE
WWE2480 (80 DEGREE C.V.)



KEY	MEYER PART NO.	DESCRIPTION
1	918-0308-2-2-1	Housing
2	918-0308-2-2-2	Hub
3	918-0312-1-1-1	Spring Pack 1900NM
4	918-0208-2-3-5	Washer
5	918-0208-2-3-6	Retaining Ring
6	918-0208-2-3-7	Sealing Ring
7	918-0208-2-3-1	Clamp Cone Assembly
8	918-0308-2-2-4	Cam
NS	918-0312-1-1-2	Bushing-In Item #2
NS	918-0208-2-3-11	Shim Kit

1000 RPM KIT
SVS-RPM-KIT

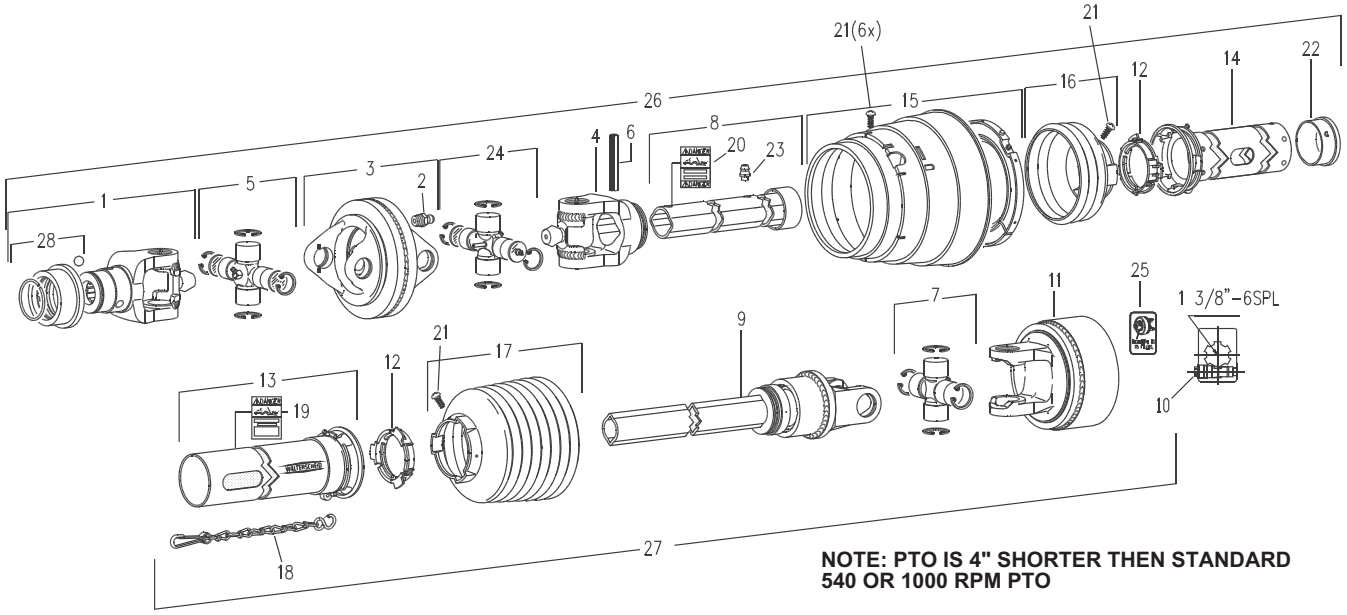


KEY	PART NO.	DESCRIPTION	QTY.
1	19-0002-17	Vent Plug	1
2	29-0015	Tightener Spring	1
3	33-0012	Retaining Ring 1-1/4"	1
4	33-0021	Retaining Ring 1-1/2"	2
5	33-0039	Expansion Plug	1
6	35-0010	3/8X3/8X1-1/2" Key	1
7	805-0031-Z	5/16" Flat Washers	9
8	806-0031-Z	5/16" Internal Tooth Lock washers	9
9	851-3118-.75Z	5/16-18x3/4" Gr. 5 Machine Bolt	9
10	910-0005	80B12 1-1/2" Bore Sprocket	1
11	911-0045-HD	#80 Heavy Duty-30 Pitch Roller Chain	1
12	912-0010	Chain Tightener Roller	1
13	914-3809	Output Quill Bearing	2
14	914-3816	Input Shaft Bearing	2
15	914-3817	Input Shaft Bearing Race	2
16	923-3834	Splined Input Shaft	1
17	923-3835	Output Quill	1
18	925-3890-1	Chain Tightener Weldment Less Roller	1
19	925-3891-1	Front Cover Plate Welded Assembly	1
20	925-3892-10	2-1/8" Seal	1
21	925-3892-1	Main Tube Weldment	1
22	925-3892-9	1-1/2" Seal	1
23	933-3812	Input Shaft Spacer	1
24	955-3809	3/8" NPT Square Plug	2
25	808-1.5-2.25-14	1-1/2IDx2-1/4ODx14 Ga. Machine Bushing	AR
26	814-5013-Z	1/2-13 Center Locknut	1
27	925-3892-7	RPM Tube Mount Angles	2
28	805-0050-Z	1/2" Flat Washer	4
29	810-5013-Z	1/2" Spin Locknut	4
NS	48-0044	85W140 Lube Oil	3.5 Qts
NS	46-0001-23	Oil Decal	1
NS	46-2636-11	1000 RPM Decal	1

918-0209 PTO DRIVE SHAFT ASSEMBLY
1000 RPM 1-3/8” 21 SPLINE (STANDARD)

918-0211 PTO DRIVE SHAFT
1000 RPM 1-3/4” 20 SPLINE (OPTIONAL)
WWE2480 (80 DEGREE C.V.)

PRIOR TO 08 SERIAL NOS.



NOTE: PTO IS 4" SHORTER THEN STANDARD 540 OR 1000 RPM PTO

KEY	MEYER PART NO.	DESCRIPTION
1	918-0208-1-1	Yoke 1-3/8"-21 Splined Assembly-Standard
	918-0210-1-1	Yoke 1-3/4"-20 Splined Assembly-Optional
2	918-0208-1-2	Grease Zerk in item 3
3	918-0208-1-3	Double Yoke
4	918-0208-1-4	Inboard Yoke
5	918-0208-1-5	Cross and Bearing Kit
6	918-0208-1-6	Spring Pin 10 x 80
7	918-0208-2-1	Cross and Bearing Kit
8	918-0209-1-2	Profile and Sleeve Welded As. 4" Shorter
9	918-0209-2-2	Overrunning Clutch & 1bGA Profile Assy. 4" Shorter
10	918-0208-2-3-1	Clamping Cone Bolt (Included in Item 11)
11	918-0208-2-3	Cut Out Clutch 2100NM
12	918-0208-2-4	Bearing Ring SC25
13	918-0209-2-1	Outer Shield Tube OVL 4" Shorter
14	918-0209-1-1	Inner shield Tube Round 4" Shorter
15	918-0208-1-8	CV Cone & Bearing Assy.
16	918-0208-1-9	Shield Cone 3 Rib

KEY	MEYER PART NO.	DESCRIPTION
17	918-0208-2-6	Shield Cone 8 Rib
18	918-0208-2-7	Safety Chain
19	918-0208-2-8	Decal Out-In Item 13
20	918-0208-1-10	Decal In-In Item 8
21	918-0208-2-9	Screw-In Item 15,16 & 17
22	918-0208-1-11	Support Bearing
23	918-0208-1-12	Zerk-In Item 8
24	918-0208-1-13	Cross and Bearing Kit
25	918-0208-2-10	Decal-K64
26	918-0209-1	1-3/8-21 (Std) Spline Tractor 1/2 Assembly-4" Shorter
	918-0211-1	1-3/4-20 (Optional) Spline Tractor 1/2 Assembly-4" Shorter
27	918-0209-2	1000 RPM Cutout Clutch Implement 1/2 Assy. 4" Shorter
28	918-0208-1-1-1	AS-Lock Kit For Item 1 (Inc. Ring, Collar & Balls) 1-3/8 21 Spline
	918-0210-1-1-1	AS-Lock Kit For Item 1 (Inc. Ring, Collar & Balls) 1-3/4 20 Spline

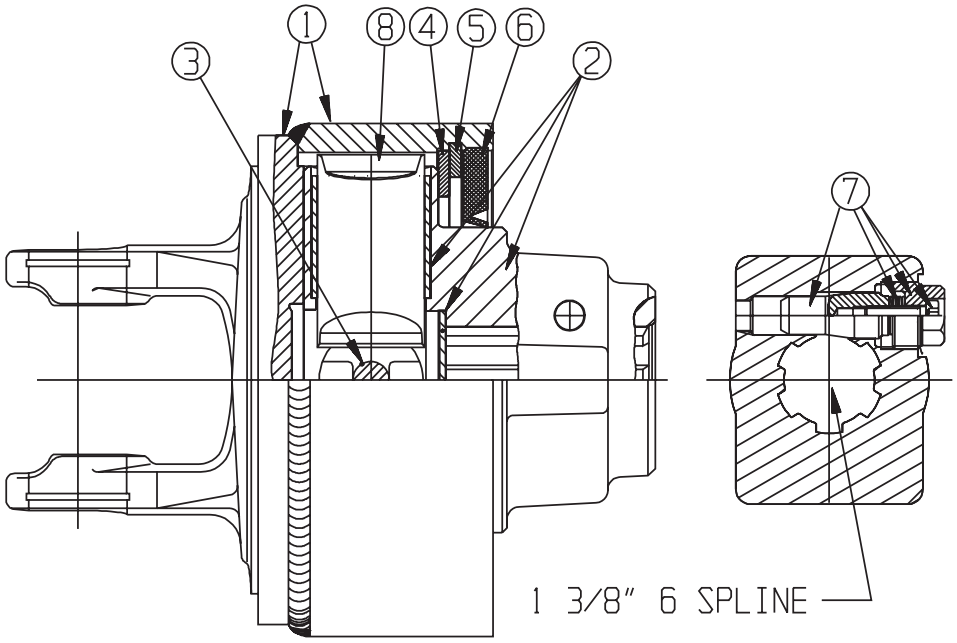
SEE NEXT PAGE FOR CUTOUT CLUTCH

918-0209 PTO DRIVE SHAFT ASSEMBLY
1000 RPM 1-3/8” 21 SPLINE (STANDARD)

918-0211 PTO DRIVE SHAFT
1000 RPM 1-3/4” 20 SPLINE (OPTIONAL)

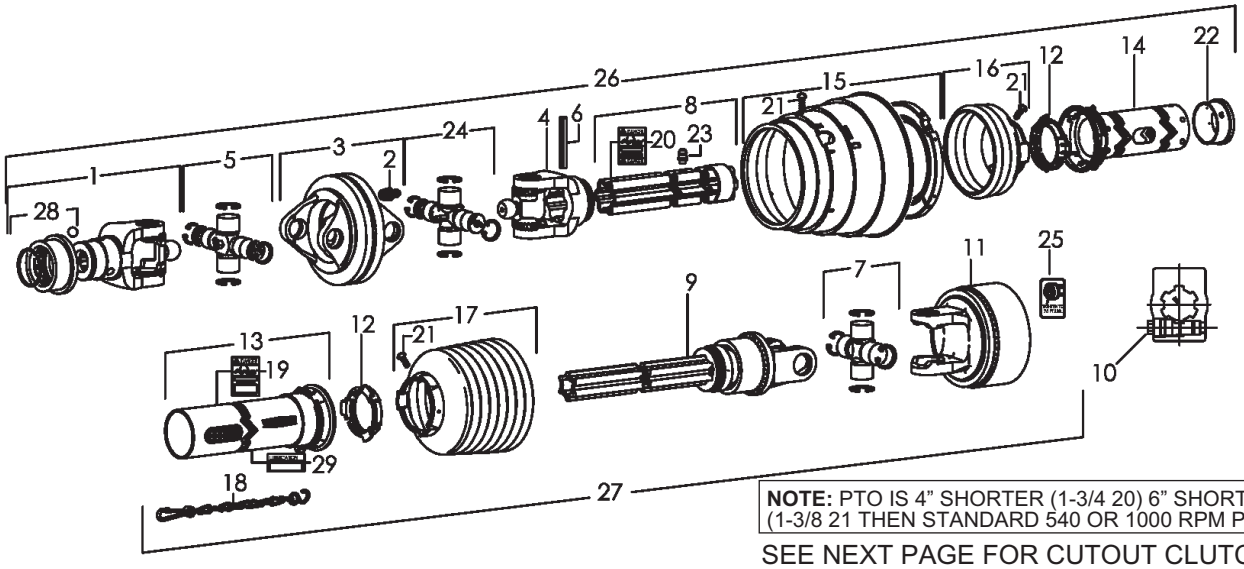
CUTOUT CLUTCH

PRIOR TO 08 SERIAL NOS.



KEY	MEYER PART NO.	DESCRIPTION
1	918-0208-2-3-2	Housing
2	918-0208-2-3-3	Hub
3	918-0208-2-3-10	Spring Pack 2100NM
4	918-0208-2-3-5	Washer
5	918-0208-2-3-6	Retaining Ring
6	918-0208-2-3-7	Sealing Ring
7	918-0208-2-3-1	Clamp Cone Assembly
8	918-0208-2-3-8	Cam
NS	918-0208-2-3-9	Bushing-In Item #2
NS	918-0208-2-3-11	Cutout Clutch Shim Kit

918-0309 PTO DRIVE SHAFT ASSEMBLY
1000 RPM 1-3/8" 21 SPLINE S.P. (STANDARD)
918-0311 PTO DRIVE SHAFT ASSEMBLY
1000 RPM 1-3/4" 20 SPLINE (OPTIONAL)
WWE2480 (80 DEGREE C.V.)
SERIAL NOS. 08 AND LATER



NOTE: PTO IS 4" SHORTER (1-3/4 20) 6" SHORTER (1-3/8 21 THEN STANDARD 540 OR 1000 RPM PTO

SEE NEXT PAGE FOR CUTOUT CLUTCH

KEY	MEYER PART NO.	DESCRIPTION
1	918-0208-1-1	Yoke 1 3/8"-21 Splined Assembly-Standard
	918-0210-1-1	Yoke 1 3/4"-20 Splined Assembly-Optional
2	918-0208-1-2	Grease Zerk in item 3
3	918-0208-1-3	Double Yoke
4	918-0308-1-1	Inboard Yoke
5	918-0208-1-5	Cross and Bearing Kit
6	918-0208-1-6	Spring Pin 10 x 80
7	918-0208-2-1	Cross and Bearing Kit
8	918-0309-1-2	Profile and Sleeve Welded As. 6" Shorter
9	918-0309-2-2	Overrunning Clutch & S4LGA Profile Assy. 6" Shorter
10	918-0208-2-3-1	Clamping Cone Bolt (Included in Item 11)
11	918-0308-2-2	Cut Out Clutch 2200NM
12	918-0208-2-4	Bearing Ring SC25
13	918-0309-2-3	Outer Shield Tube OVL 6" Shorter
14	918-0309-1-1	Inner shield Tube Round 6" Shorter
15	918-0308-1-3	CV Cone & Bearing Assy.
16	918-0308-1-4	Shield Cone 3 Rib
17	918-0308-2-5	Shield Cone 8 Rib
18	918-0208-2-7	Safety Chain

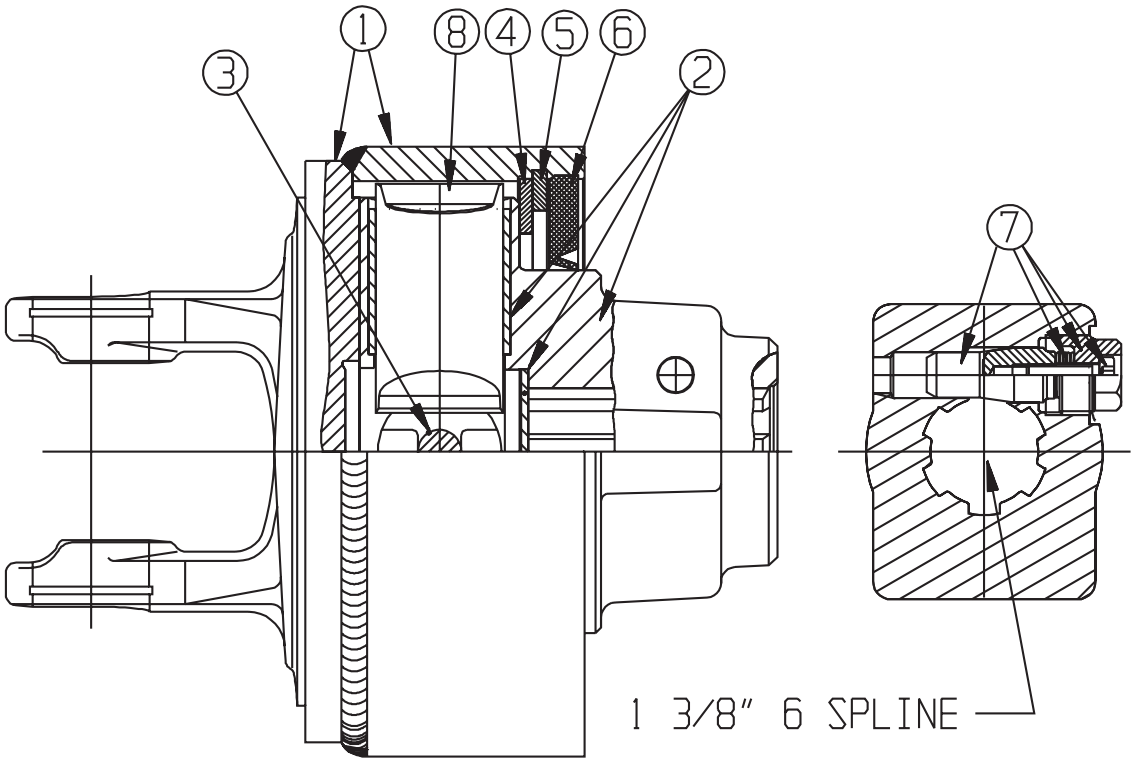
KEY	MEYER PART NO.	DESCRIPTION
19	918-0208-2-8	Decal Out-In Item 13
20	918-0208-1-10	Decal In-In Item 8
21	918-0208-2-9	Screw-In Item 15,16 & 17
22	918-0208-1-11	Support Bearing
23	918-0208-1-12	Zerk-In Item 8
24	918-0208-1-13	Cross and Bearing Kit
25	918-0208-2-10	Decal-K64
26	918-0309-1	1 3/8-21 (Std) Spline Tractor 1/2 Assembly-6" Shorter -Star Profile
	918-0311-1	1 3/4-20 (Optional) Spline Tractor 1/2 Assembly-4" Shorter-Star Profile
27	918-0309-2	1000 RPM Cutout Clutch Implement 1/2 Assy. 4" Shorter-Star Profile 1 3/4-20
	918-0309-2-5	1000 RPM Cutout Clutch Implement 1/2 Assy. 6" Shorter-Star Profile 1 3/8-21
28	918-0208-1-1-1	AS-Lock Kit For Item 1 (Inc. Ring, Collar & Balls) 1 3/8-21 Spline
	918-0210-1-1-1	AS-Lock Kit For Item 1 (Inc. Ring, Collar & Balls) 1 3/4-20 Spline
29	918-0308-2-6	Lubrication Decal

918-0309 PTO DRIVE SHAFT ASSEMBLY
1000 RPM 1-3/8” 21 SPLINE S.P. (STANDARD)

918-0311 PTO DRIVE SHAFT ASSEMBLY
1000 RPM 1-3/4” 20 SPLINE (OPTIONAL)

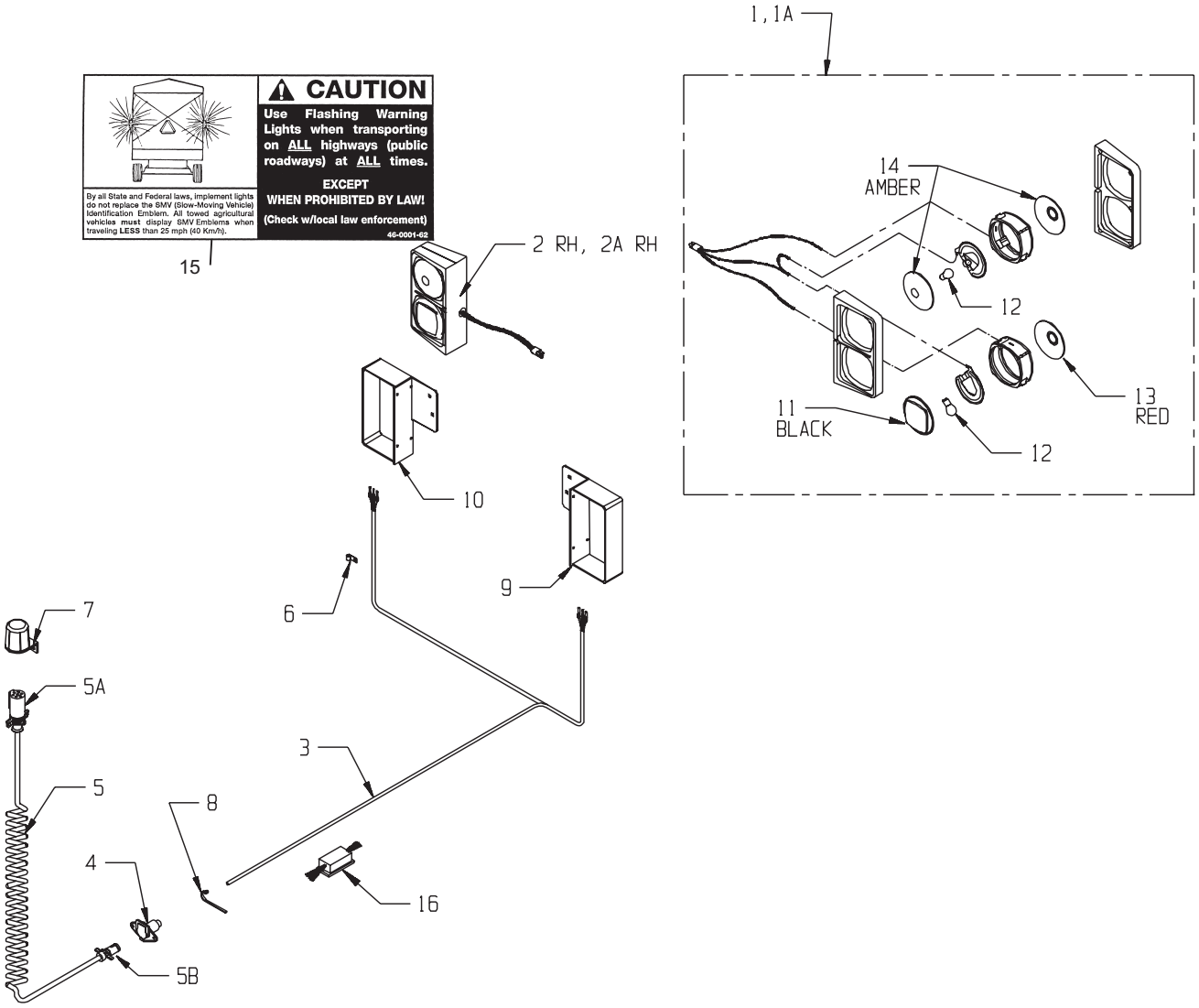
CUTOUT CLUTCH

SERIAL NOS. 08 AND LATER



KEY	MEYER PART NO.	DESCRIPTION
1	918-0208-2-3-2	Housing
2	918-0208-2-3-3	Hub
3	918-0208-2-3-10	Spring Pack 2100NM
4	918-0208-2-3-5	Washer
5	918-0208-2-3-6	Retaining Ring
6	918-0208-2-3-7	Sealing Ring
7	918-0208-2-3-1	Clamp Cone Assembly
8	918-0208-2-3-8	Cam
NS	918-0208-2-3-9	Bushing-In Item #2
NS	918-0208-2-3-11	Cutout Clutch Shim Kit

V-MAX HIGHWAY LIGHTING



KEY	PART NO.	DESCRIPTION	QTY
1	56-0030	Dual Light LH w/4-Plug	1
1a	56-0030-TR	Truck Mount Dual Light LH w/4-Plug	1
2	56-0031	Dual Light RH w/4-Plug	1
2a	56-0031-TR	Truck Mount Dual Light RH w/4-Plug	1
3	56-0032	Ag Light Harness W/Module	1
4	56-0004	#1232 4-Way Socket 4-Pin	1
5	56-0005	Coil Cable Assy.	1
5a	56-0012	7-Contact Plug Only	1
5b	56-0005-1	4-Hole Plug (End Only)	1
6	56-0008	Harness Frame Clip	3
7	56-0009	Store-A-Way Plug Holder	1
8	65-0006-5	Nylon Tie Straps	AR
9	925-3876	L.H. Light Mount Bracket (7400)	1
	925-3793	L/R Light Mount Bracket (7500)	1

KEY	PART NO.	DESCRIPTION	QTY
10	925-3877	R.H. Light Mount Bracket (7400)	1
	925-3793	L/R Light Mount Bracket (7500)	1
11	56-0001-3	Bezel Blank, Black	1
12	56-0001-4	#1157 Dual Filament Bulb	1
13	56-0001-2	Red Lens	1
14	56-0001-1	Amber Lens	1
15	46-0001-62	Caution Tail Light Decal	1
16	56-0028	Tail Light Converter (Truck Mount Only)	1

MEYER SUPER SPREADER
"TROUBLE SHOOTING"

	SYMPTOM	PROBLEM	SOLUTION
AUGERS	Augers shake or chatter	Stiff roller chains - dry Loose roller chains Worn sprockets/chains Dry auger trough	Lubricate roller chains Tighten roller chains Replace sprockets/chains Load auger trough w/manure
	Augers wobble/lift up & down	Worn auger shaft bushings Worn auger hold down nylon bearings	Replace auger shaft bushings Replace auger hold down nylon bearings
FLOW CONTROL GATE	Will not lift	No hydraulic supply Froze tight	Supply hydraulic power Thaw frozen build-up
	Will not close/seal	Lodged foreign object/dirty	Remove foreign object/clean
	Sticks/binds	Dirty/dry slide guides Worn slide guides Worn out slide guide poly-slick	Clean/lubricate slide guides Replace slide guides Replace slide guide poly-slick
GEAR BOXES	Clunking sounds	Gears/bearings wearing low level of liquid grease	Replace gears/bearings-fill with semi-fluid, EP lithium base, gear grease
	Excessive oil use	Worn out oil seals Dry manure & twine wrapping	Replace oil seals Clean & remove build-up at seal areas
	Gear damage	High speed/full load start-up Worn out gears	Slow start-up, fill with oil Replace gears
MATERIAL GUIDES	Poor spreading pattern	Material guides out of adjustment	Adjust according to manual specifications
	Dirty/build-up	Too slow spinner RPM's	Operate spreader at recommended 540/1000 RPM
	Bending/breakage	Lodging foreign objects Multiple damaged paddles	Avoid loading foreign objects Replace paddles
PTO SHAFT	Whips/shakes	Over extended or bent PTO	Adjust tractor drawbar length (See Page 9) Straighten/replace PTO
	Vibrates up & down	Spreader center shaft bent	Replace center shaft
	Worn Universal Joints	Lack of lubrication/used	Lubricate joints daily replace joint

MEYER SUPER SPREADER
"TROUBLE SHOOTING"

	SYMPTOM	PROBLEM	SOLUTION
ROLLER CHAINS AND SPROCKETS	Excessive chain wear	Lack of lubrication Out of alignment/loose	Lubricate/align/tighten
	Roller chain breakage	Loose roller chain Worn sprockets	Tighten roller chains Replace sprockets
	Sprocket teeth tipped over	Worn roller chain Bad roller bearings	Replace roller chain Replace bearings
SPINNERS (PADDLES/TEETH)	Spinners turn hard/squeak	Bad lower spinner bearings	Replace lower spinner bearings
	Shake at high RPM's (excessive vibration)	Spinner bent/out of balance	Straighten/balance/replace spinner
		Worn out lower spinner sleeve/shaft	Replace lower spinner sleeve/shaft and reweld.
	Excessive paddle damage	Too slow spinner RPM's	Operate spreader at recommended 540/1000 RPM
		Lodging of manure	Adjust material guides
		Spreading foreign objects	Straighten/replace paddles/Keep sharpened Avoid loading foreign objects

MEYER SUPER SPREADER
"MAINTENANCE RECORD"

Model No. _____Serial No. _____

Delivery Date: _____

DATE	SERVICE PERFORMED

MEYER EQUIPMENT WHEEL TORQUE

BOLT/STUD SIZE	SOCKET SIZE	PRESS FORMED WHEEL CENTER	BOLT TYPE	HEAVY DUTY WHEEL CENTER
½	3/4	80 ft lbs	Lug Bolt	85 ft lbs
9/16	7/8	80 ft lbs	Lug Bolt	120 ft lbs
5/8	15/16 1-1/16	100 ft lbs	Bevel or Flange Nut	160 ft lbs
3/4	1-1/8 / 1-1/2		Flange Nut	378 ft lbs

TIRE INFLATION

TIRE SIZE	PLY	PSI
11L-15	8	36
12.5L-15	8	36
12.5L-15	12	52
14L-16	12	44
16.5L-16	10	36
19LX16.1	10	32
21.5L-16.1	18	44
11R/22.5	used truck	75
425/65X22.5	used truck	75
28L-26	16	28

Farm Equipment Buyers Trust the Name Meyer!

MEYER SUPER SPREADER "SPECIFICATIONS"

	V-Force 7400 Trailer Model	V-Force 7400 Truck Mount	V-Force 7500 Trailer Model	V-Force 7500 Truck Mount
CAPACITY				
Bushels Heaped	400	400	500	500
Gallons/Cu. Ft. (struck)	1,870 / 250	1,870 / 250	2,433 / 324	2,433/324
Cu. Yards (struck)	9.26	9.26	12	12
DIMENSIONS				
Overall Length	21' 9"	18' 4" plus front drive	21' 9"	18' 4" plus front drive
Inside Tank Length	15'	15'	15'	15'
Loading Height	66" w/14Lx16.1	51 ½" plus truck ht.	78" w/19Lx16.1	60 ½" plus truck ht.
	67.5" w/16.5Lx16.1		76.5" w/16.5Lx16.1	
Overall Height	73.25" (front) 14L	58 ½'" (front)	85" w/19Lx16.1	67 ½"
Top of Splash Guard	74.75" (front) 16.5L	plus height of truck	83.5 w/16.5Lx16.1	plus height of truck
Overall Width	95.75" w/14Lx16.1	N/A	105" w/19Lx16.1	N/A
Outside Tires	102.75" w/16.5L		101.5 w/16.5Lx16.1	
Width – top of tank	77 ¾"	77 ¾"	85 7/8" Outside	85 7/8"
SPECIFICATIONS				
Total Weight	8,040# w/14L	6,540#	9,000# w/19L	7,080#
Maximum Load Net (lbs)	16,000#	16,000#	23,000#	23,000#
Lower Augers-diameter/thickness	20" – 3/8" sectional	20" – 3/8" sectional	20" – 3/8" sectional	20" – 3/8" sectional
Independent Lower Auger	Optional	Optional	Standard	Standard
Shear Hub Sprockets				
3rd Auger (for solid material)	Standard	Standard	Standard	Standard
Drive – PTO – RPM	540 RPM w/constant velocity	PTO-Direct-Standard	540 RPM w/constant velocity	PTO-Direct-Standard
		Hyd-Optional		Hyd-Optional
Drive Line Protection	Overrunning torque disconnect clutch	Torque disconnect clutch w/shear bolt augers – pto	Overrunning torque disconnect clutch w/shear bolt augers	Torque disconnect clutch w/shear bolt augers – pto
Roller Chain Drive				
Augers	#80 - #120	#80 - #120	#80 - #120	#80 - #120
Expellers	#80	#80	#80	#80
Roller Chain Auto Oiler	Standard	Standard	Standard	Standard
Expeller Speed	660 RPM	660 RPM	660 RPM	660 RPM
Expeller Diameter	22"	22"	22"	22"
TANK CONSTRUCTION				
Material	Copper Bearing Steel	Copper Bearing Steel	Copper Bearing Steel	Copper Bearing Steel
Thickness – tank sides	3/16"	3/16"	3/16"	3/16"

	V-Force 7400 Trailer Model	V-Force 7400 Truck Mount	V-Force 7500 Trailer Model	V-Force 7500 Truck Mount
Thickness - Front/Back Panel	3/16”	3/16”	3/16”	3/16”
Frame Construction	Heavy 8” channel	Heavy 8” channel	Heavy 8” channel	Heavy 8” channel
Door Opening	27” x 42”	27” x 42”	27” x 42”	27” x 42”
Spindle Diameter-tandem axle	2 ¾”	N/A	3” sleeved	N/A
Hub	8 bolt	N/A	8 bolt – Heavy Duty	N/A
Splash Shields – front & rear	Standard – flat	Standard – flat	Standard - angled	Standard - angled
	(low clearance)	(low clearance)		
Transport Light Kit	Standard w/ag cord	Standard w/truck cord	Standard w/ag cord	Standard w/truck cord
Tractor Requirement	85		100	
PTO HP (minimum)				
OPTIONS				
Lower Auger Shear Hub Sprockets	Optional	Optional	Standard	Standard
1000 RPM Kit	Optional		Optional	
19” Longer Hitch (for dual wheeled tractor)	Optional		Optional	
Hydraulic Controlled Lid	Optional	Optional	Optional	Optional
Poultry Litter Package	Optional	Optional	Optional	Optional
Safety Chain	Optional		Optional	
Truck Mount Version	Optional	PTO-Direct Std. Hydraulic-Opt.	Optional	PTO-Direct Std. Hydraulic-Optional

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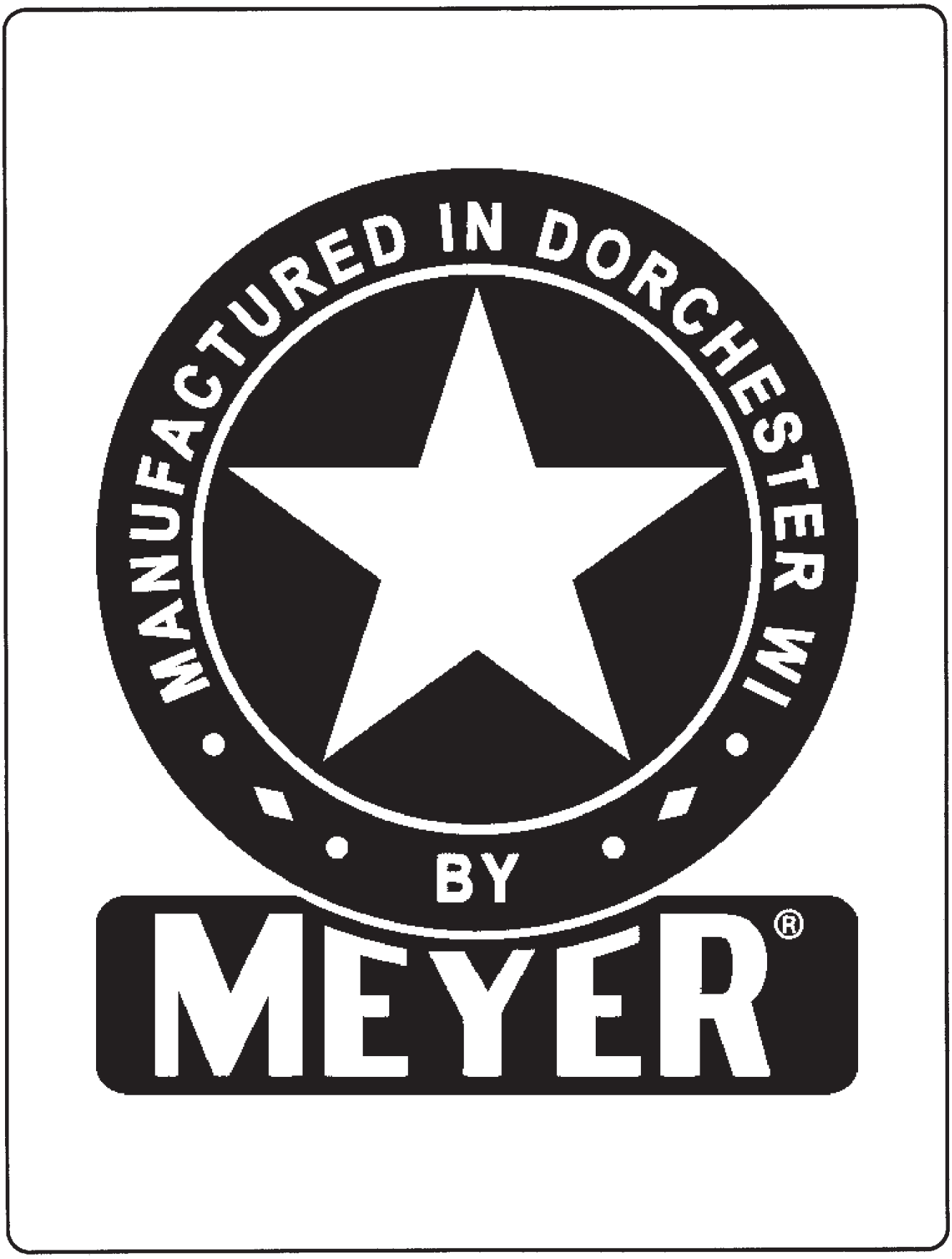
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